



New Products

NOVEMBER 2022

We are continually expanding our portfolio to meet your research needs. Check out the new products released this month!

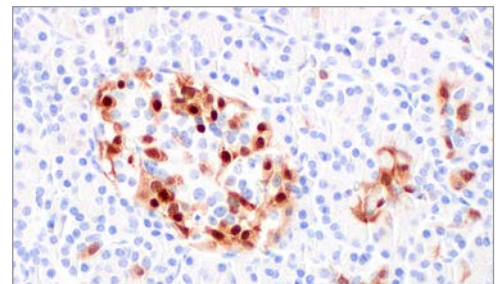
HOT PRODUCTS

p16 INK4A (BC42) Mouse mAb #68410

Members of the INK4 family of cyclin dependent kinase inhibitors include p16 INK4A, p15 INK4B, p18 INK4C, and p19 INK4D. The INK4 family members inhibit cyclin dependent kinases 4 and 6 (CDK4 and CDK6), causing cell cycle arrest in G1 phase.

p16 INK4A expression, typically repressed in the absence of stress, is thought to drive cells into senescence, and p16 INK4A expression is a commonly used marker of senescent cells. p16 INK4A protein expression is often altered in human cancer, and high expression is currently used as a predictive biomarker in cervical cancer.

KEYWORDS: aging, cancer



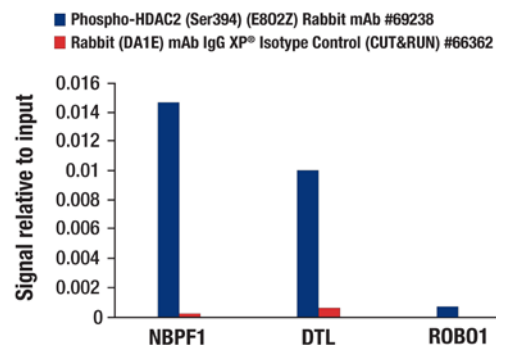
IHC-P: IHC analysis of paraffin-embedded normal human pancreas using #68410.

Phospho-HDAC2 (Ser394) (E8O2Z) Rabbit mAb #69238

Acetylation of the histone tail causes chromatin to adopt an “open” conformation, allowing increased accessibility of transcription factors to DNA. The identification of histone acetyltransferases (HATs) and their large multiprotein complexes has yielded important insights into how these enzymes regulate transcription.

HAT complexes interact with sequence-specific activator proteins to target specific genes. In contrast, histone deacetylation promotes a “closed” chromatin conformation and typically leads to repression of gene activity. Mammalian histone deacetylases can be divided into three classes on the basis of their similarity to various yeast deacetylases. Inhibitors of HDAC activity are now being explored as potential therapeutic cancer agents.

KEYWORDS: epigenetic regulation, cancer



C&R: CUT&RUN was performed with K-562 cells and either #69238 or Rabbit (DA1E) mAb IgG XP® Isotype Control (CUT&RUN) #66362, using CUT&RUN Assay Kit #86652. The enriched DNA was quantified by real-time PCR using human NBPF1 promoter primers, human DTL exon 1 primers, and human ROBO1 promoter primers. The amount of immunoprecipitated DNA in each sample is represented as signal relative to the total amount of input chromatin, which is equivalent to one.



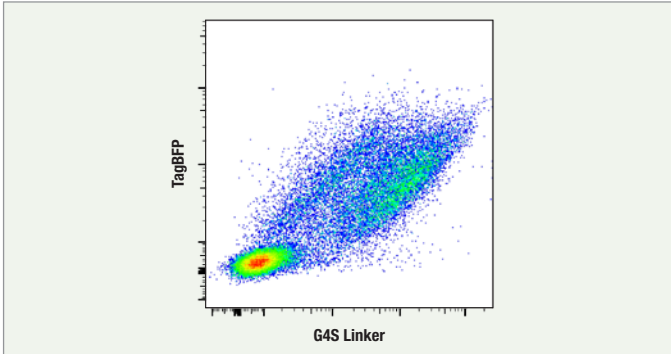
PRODUCT	APPLICATIONS	REACTIVITY	CARRIER-FREE	PRODUCT	APPLICATIONS	REACTIVITY	CARRIER-FREE
Adhesion/ECM				Immunology and Inflammation			
36349S	Fibronectin-EDB/FN1-EDB (E8J3Z) Rabbit mAb	WB	H	91519SF	AML1 (D33G6) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, Mk ●
Apoptosis				47899SF	BCL6 (D412V) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H ●
94223SF	Phospho-Bad (Ser112) (40A9) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk ●	89036SF	Blimp-1/PRDI-BF1 (C14A4) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, (Mk) ●
17447SF	Bcl-2 (124) Mouse mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, FC-FP	H ●	35425S	Mouse CD3ε Activating (145-2C11) Hamster mAb (Low Endotoxin, Azide-free)	FUNC	M
88874S	Gasdermin E (E1C5B) Rabbit mAb	WB	M	73765SF	CD9 (D3H4P) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H ●
38821S	Cleaved Gasdermin E (Asp270) Antibody	WB	M	87960S	CD23 (E1R4C) Rabbit mAb	IHC-P	H
89403SF	c-Myc (E5Q6W) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, R ●	70045S	CD23 (E5P8Z) Rabbit mAb	FC-FP, FC-L	H
Ca, cAMP and Lipid Signaling				34596S	Mouse CD28 Activating (37.51) Hamster mAb (Low Endotoxin, Azide-free)	FUNC	M
30797SF	c-Myc (E5Q6W) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H	15518SF	CD34 (E2JK) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC	M ●
Cell Cycle / Checkpoint Control				28109S	CD36 (E8B7S) Rabbit mAb	WB, IHC-P, IF-F, IF-IC	M, R
26687S	CASC5 (E4A5L) Rabbit mAb	WB, IP, IF-IC	H	95154SF	CD74 (D5N31) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, Mk ●
20701S	Ki-67 (D3B5) Rabbit mAb (Alexa Fluor [®] 555 Conjugate)	IF-F, IF-IC, FC-FP	H, M, R	17749SF	Phospho-CD79A (Tyr182) (D1B9) Rabbit mAb (BSA and Azide Free)	IF-IC, FC-FP	H, (M) ●
33908S	Ki-67 (D3B5) Rabbit mAb (Alexa Fluor [®] 594 Conjugate)	IF-F, IF-IC, FC-FP	H, M, R	68922S	CD163 (E2H3C) Rabbit mAb	WB	H, M, R
52001S	Ki-67 (D3B5) Rabbit mAb (Pacific Blue [™] Conjugate)	FC-FP	H, M, R	38977S	Complement C3 (E2O5U) Rabbit mAb	WB	H
68410S	p16 INK4A (BC42) Mouse mAb	IHC-LB, IHC-P	H	72914S	Complement C3 (E4D2Z) Rabbit mAb	WB, IP	H
68410T				43390S	CSF-1R/M-CSF-R (E6W9F) Rabbit mAb	WB, IF-F, IF-IC	M
46651C	PathScan [®] Total PLK1 Sandwich ELISA Kit	ELISA	H	89928SF	DAF/CD55 (E7G2U) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H ●
Chromatin Regulation / Nuclear Function				98584SF	DC-SIGN (D7F5C) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H ●
92805S	GLTSCR1L (E9K6F) Rabbit mAb	IP, IF-IC	H	60796S	DGKA (E7T8H) Rabbit mAb	WB, IP, FC-FP	H
69238S	Phospho-HDAC2 (Ser394) (E8O2Z) Rabbit mAb	WB, IHC-Bond, IHC-P	H	98580S	FcRn (E6D1S) Rabbit mAb (Alexa Fluor [®] 488 Conjugate)	FC-FP	H
54826S	Histone H3 (D1H2) XP [®] Rabbit mAb (Alexa Fluor [®] 700 Conjugate)	WB, IP, IHC-P, IF-IC, FC-FP	H, Mk	28751S	FcRn (E6D1S) Rabbit mAb (Alexa Fluor [®] 647 Conjugate)	FC-FP	H
36229S	Histone H3 (D1H2) XP [®] Rabbit mAb (PE-Cy7 [™] Conjugate)	WB, IP	H	79500S	FcRn (E6D1S) Rabbit mAb (PE Conjugate)	FC-FP	H
66065S	Phospho-Histone H3 (Ser10) (D2C8) XP [®] Rabbit mAb (PE-Cy7 [™] Conjugate)	WB, IP, IF-IC	H	10424S	G-CSF-R (E8E7D) Rabbit mAb	WB, IP, FC-L	H
30342S	Acetyl-Histone H3 (Lys27) (D5E4) XP [®] Rabbit mAb (PE-Cy7 [™] Conjugate)	WB, IP, IHC-P, IF-F	M, R, (H)	95848S	GADS (E4O1V) Rabbit mAb	WB, IP	H, M
98316S	Tri-Methyl-Histone H3 (Lys27) (C36B11) Rabbit mAb (Alexa Fluor [®] 750 Conjugate)	WB, IP, FC-FP	H	91378SF	GNLV (E1V5M) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H ●
66775S	METTL14 (E2G9A) Rabbit mAb (ChIP Formulated)	WB, IP, IF-IC	H, M, R, Hm, Mk	43701SF	Granzyme B (D2H2F) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC, FC-FP	H, M ●
24662S	Sirt4 (E8C7J) Rabbit mAb	WB, IP	H, M, R	29833SF	HPK1 (E1C3L) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, FC-FP	H ●
99105S	TDG (E5T5G) Rabbit mAb	WB, IP, IF-F	H, M, R	74766SF	IFITM3 (D8E8G) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H ●
31452S	Transportin-1 (E7X4Z) Rabbit mAb	WB, IF-F	H, M, R	28668S	IFNAR2 (E7Z4M) Rabbit mAb (Alexa Fluor [®] 488 Conjugate)	FC-L	H
Cytoskeletal Signaling				87713S	IFNAR2 (E7Z4M) Rabbit mAb (Alexa Fluor [®] 647 Conjugate)	FC-L	H
35644S	CHMP4B (E2L7M) Rabbit mAb	WB, IP	H, M, R	76701SF	Ikaros (D10E5) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H ●
24588S	NUP62 (E4Y5P) Rabbit mAb	WB, IF-IC	H	49706SF	IKKα (3G12) Mouse mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, Mk ●
66464S	NUP62 (E7H9O) Rabbit mAb	WB, IP	H, Mk	49622S	IL-2Rγ (E1V10) Rabbit mAb	WB, IF-IC, FC-FP, FC-L	H
87488S	Acetyl-α-Tubulin (Lys40) (D20G3) XP [®] Rabbit mAb (Alexa Fluor [®] 750 Conjugate)	FC-FP	H, M, R, Mk, Z, (X)	34315SF	Jak2 (D2E12) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, (Hm, Mk, C, X, B, Dg, Pg, Hr) ●
Developmental Biology				56355C	FastScan [™] Total Jak2 ELISA Kit	ELISA	H, M
79802S	GATA-2 (E9T6F) Rabbit mAb	WB, IP, IF-IC, FC-FP, ChIP	H, M, R	47778S	LAMP3/CD208 (E6E5U) XP [®] Rabbit mAb	WB, IP	H, M, R
16551S	TCF1/TCF7 (E6O1K) Rabbit mAb	WB, IF-F, IF-IC, FC-FP, ChIP, C&R	H, M, R	47778T		WB, IP, IHC-P, IF-F, IF-IC, FC-FP, C&R	H, M, (Pg) ●
90445S	TWIST1 (E5G9Y) Rabbit mAb	WB, IF-F, IF-IC	H, M	48103SF	Lyn (C13F9) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk ●
Glucose / Energy Metabolism				20058S	MAGE-C2/CT10 (E7B8D) XP [®] Rabbit mAb	WB, IP, IHC-P	H
71236S	GPAT3 (E5R1H) Rabbit mAb	WB, IP	H	20058T			
96164S	GPAT3 (E9R5I) Rabbit mAb	WB	M				



PRODUCT	APPLICATIONS	REACTIVITY	CARRIER-FREE	PRODUCT	APPLICATIONS	REACTIVITY	CARRIER-FREE			
Immunology and Inflammation (cont.)				Metabolism						
51172SF	Nectin-2/CD112 (D8D3F) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, Mk	●	42801SF	Phospho-Acetyl-CoA Carboxylase (Ser79) (D7D11) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R	●	
64662T	NF-κB Pathway Antibody Sampler Kit II	—	—		54618S	Cytochrome b (E7F8Z) Rabbit mAb	WB, IP	H, M, R, Mk		
64921SF	NF-κB p65 (L8F6) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-PP	H, M, R, Hm, Mk, Mi, B, Dg, Pg	●	84981S	MAOB (D7O6X) Rabbit mAb	WB	H		
76778SF	Phospho-NF-κB p65 (Ser536) (93H1) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-PP	H, Mk, (Dg)	●	76508S	MCT1/SLC16A1 (E7A2K) Rabbit mAb	WB, IF-IC	H		
83394SF	NF-κB1 p105/p50 (D4P4D) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-PP	H, M, R	●	36768S	MCT1/SLC16A1 (E7F6Y) Rabbit mAb	WB, IF-IC	H		
78869SF	NF-κB1 p105/p50 (D7H5M) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, (Mk)	●	37570S	p22phox (E7Y1F) XP® Rabbit mAb	WB, IHC-P, IF-F, IF-IC	H, M, R		
88179S	Rapid-Act T Cell Activation Kit (Human, Anti-CD3/CD28)	FUNC	H		37570T					
34279SF	RelB (D7D7W) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-PP	H, M, R	●	23522S	SMUG1 (E7P4I) Rabbit mAb	WB, IP	H, M		
17616SF	Phospho-RelB (Ser552) (D41B9) XP® Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-PP	H, M, (R, Mk, B, Dg)	●	Motif Antibodies					
74641SF	S100A9 (D3U8M) Rabbit mAb (Rodent Specific) (BSA and Azide Free)	WB, IHC-LB, IHC-P, IF-F, FC-PP	M, R	●	50071S	PTMScan® HS Pilot Acetyl-Lysine Motif (Ac-K) Kit	—	—	●	
53988SF	SLAMF6/CD352 (E3H1E) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H	●	29879S	PTMScan® HS Pilot Phospho-Tyrosine (P-Tyr-1000) Kit	—	—	●	
52812SF	SLP-76 (D1R1A) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-PP	H	●	19089S	PTMScan® HS Pilot Ubiquitin/SUMO Remnant Motif (K-ε-GG) Kit	—	—	●	
84689SF	Stat1 (D4Y6Z) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	H, M, R	●	Neuroscience					
88211SF	Phospho-Stat1 (Tyr701) (D4A7) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-PP	H, M, R, (Mk)	●	95652C	PathScan® ApoE Sandwich ELISA Kit	ELISA	M	●	
62390SF	Phospho-Stat1 (Ser727) (D3B7) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk, (B)	●	71173C	PathScan® ApoE (pan) Sandwich ELISA Kit	ELISA	H	●	
23078SF	Phospho-Stat2 (Tyr690) (D3P2P) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-PP	H, R	●	62273S	ApoE2 (E6U9I) Rabbit mAb	WB	H		
91276SF	Stat3 (D3Z2G) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-PP	H, M, R, Mk, (B, Pg)	●	86595S	CaMKI-α Antibody	WB, IP	H, M, R		
72650SF	Phospho-STING (Ser366) (E9A9K) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-PP	H	●	35392S	Phospho-CaMKK2 (Ser495) (E7W9S) Rabbit mAb	WB	H, M, (R)		
99309SF	Phospho-STING (Ser366) (D8K6H) Rabbit mAb (BSA and Azide Free)	IF-IC, FC-PP	H	●	62990S	GPRIN1 (E8A7B) Rabbit mAb	WB	H		
27543SF	Syk (D3Z1E) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-PP	H, M, R	●	80965S	LINGO-1 (E5G3F) Rabbit mAb	WB	H, M, R		
16859SF	Phospho-Syk (Tyr525/526)(C87C1) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-PP	H, (M, R)	●	20060S	Phospho-Tau (Thr205) (E3E3B) Mouse mAb	IHC-P	H	●	
27337SF	TIM-4 (D3W4F) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, FC-L	H	●	51625S	Phospho-Tau (Thr217) (E9Y4S) Rabbit mAb	WB, IP	H, M, R	●	
31588SF	TNFRSF13C/BAFF-R (E3C1Q) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, (Pg)	●	Nuclear Receptor Signaling					
15503SF	TRBC1/TCRβ constant region 1 (E6Z3S) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H	●	88161C	FastScan® Total Glucocorticoid Receptor ELISA Kit	ELISA	H		
55809S	Whitlow/218 Linker (E3U7Q) Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-L	All		PI3K / Akt Signaling					
69310S	Whitlow/218 Linker (E3U7Q) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-L	All		69387S	MAP4K3 (E9L1J) Rabbit mAb	WB, IP	H, M, R		
69022SF	Zap-70 (D1C10E) XP® Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-PP	H, M		Protein Folding and Trafficking					
61169SF	Zap-70 (99F2) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, FC-PP	H, M	●	78247S	PPID (E7Y8I) Rabbit mAb	WB, IP	H, M, R		
31754SF	Phospho-Zap-70 (Tyr319)/Syk (Tyr352) (6SE4) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-PP	H, M, (R, Hm, C, B, Dg, Pg, Hr)		RTK					
Infectious Diseases				Translational Control						
72219S	Lloviu Virus VP35 Antibody	WB	Vir		65350S	NOVA1 (E9E6U) Rabbit mAb	WB, IP	H, M, R, Mk		
86326S	SARS-CoV-2 Nucleocapsid Protein (E9L7H) XP® Rabbit mAb	WB, IHC-LB, IHC-P, IF-IC	Vir		35708SF	Phospho-S6 Ribosomal Protein (Ser240/244) (D68F8) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-PP	H, M, R, Mk, (C, Pg)	●	
86326T					Related Products					
40485S	SARS-CoV-2 Nsp2 Antibody	WB	Vir		10643S	Avi-Tag Antibody	WB	All		
MAP Kinase Signaling				58518S						
33197S	K-Ras Antibody	WB	H, M, R		Human CTGF Recombinant Protein	—	—			
				59391S						
				Human Galectin-3/LGALS3 Recombinant Protein				—	—	
				73109S						
				Mouse G-CSF Recombinant Protein				—	—	
				95831S						
				Human GDF-15 Recombinant Protein				—	—	
				48823SF						
				HA-Tag (6E2) Mouse mAb (BSA and Azide Free)				WB, IHC-P, IF-IC, FC-PP	All	●
				78951S						
				Human IL-1RA Recombinant Protein				—	—	
				34859S						
				mNeonGreen Tag (E2S6M) Mouse mAb				WB	All	
				99099S						
				Rabbit (DA1E) mAb IgG XP® Isotype Control (Alexa Fluor® 750 Conjugate)				FC-PP, FC-L	—	
				12824S						
				SignalStain® Ultra Blue Alkaline Phosphatase Substrate Kit				IHC-P	—	



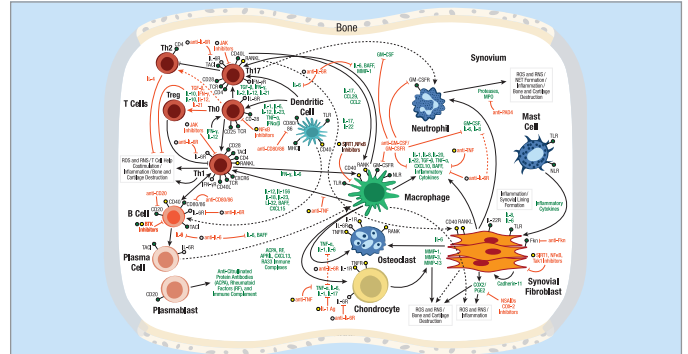
What's New at CST



Detect CAR Surface Expression

Ideal for product characterization as well as monitoring CAR-T trafficking and persistence. **G4S and Whitlow/218 Linker antibodies are available now!**

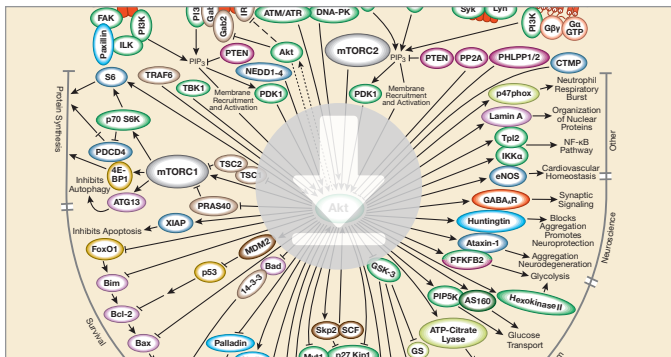
www.cst-science.com/nov22-1



Pathogenesis of Rheumatoid Arthritis

Download this diagram to discover the different cell types involved and learn which molecules induce or inhibit rheumatoid arthritis pathogenesis.

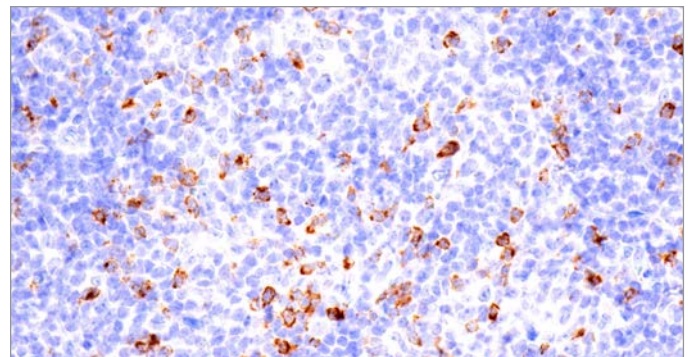
www.cst-science.com/nov22-2



Disease-Related Signaling Pathways

Browse and download pathways featuring signaling targets in neurodegeneration, autoimmunity & inflammation, cancer, metabolic disease, and more.

www.cst-science.com/nov22-3



A Reliable CTLA-4 Antibody for IHC

This CTLA-4 monoclonal antibody is stringently validated for WB, IP, and IHC applications, enabling reliable and accurate tissue analysis for your immune checkpoint and T cell exhaustion studies.

www.cst-science.com/nov22-4

For Research Use Only. Not For Use in Diagnostic Procedures.

© 2022 Cell Signaling Technology, Inc. CST, Cell Signaling Technology, and XP are registered trademarks of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information. 22-LRG-462019-EN

www.cellsignal.com

Cell Signaling
TECHNOLOGY®