#42427 Store at -20C

Cell Signaling Helios (D8W4X) XP[®] Rabbit mAb TECHNOLOGY® Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com 3 Trask Lane | Danvers | Massachusetts | 01923 | USA For Research Use Only. Not for Use in Diagnostic Procedures. MW (kDa): UniProt ID: **Reactivity:** Sensitivity: Source/Isotype:

	Activity: Sensitivity: H M Endogenous		Source/Isotype: Rabbit IgG	UniProt ID: #Q9UKS7	Entrez-Gene Id: 22807	
Product Usage Information		For optimal ChIP and ChIP-seq results, use 10 μ I of antibody and 10 μ g of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.				
	The CUT&RUN dilut	ion was determined	using CUT&RUN Assay	r Kit #86652.		
	The CUT&Tag dilution	on was determined u	sing CUT&Tag Assay K	it #77552.		
	Application			Dilut	ion	
	Western Blotting			1:10	00	
	Simple Western™			1:10	- 1:50	
	Immunoprecipitatio	n		1:20	0	
	Flow Cytometry (Fix	ked/Permeabilized)		1:50	- 1:200	
	Chromatin IP			1:50		
	Chromatin IP-seq			1:50		
	CUT&RUN			1:50		
	CUT&Tag			1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity / Sensitivity	Helios (D8W4X) XP	[®] Rabbit mAb recogr	nizes endogenous levels	s of total Helios proteir	1.	
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly73 of human Helios protein.				
Background	fingers that mediate proteins (1,2). In the hematopoietic proge phenotype by bindin	DNA binding and ho hematopoietic syste nitors (1,2). In regula g to the IL-2 promote) is an Ikaros family trar modimerization or heter m, Helios expression is atory T cells, expression er and suppressing IL-2 one hallmark of low-hyp	odimerization with oth restricted to T cells an of Helios contributes transcription (3). In ac	er Ikaros family nd early to an anergic Idition, alteration of	
Background Reference	 Hahm, K. et al. (19) Kelley, C.M. et al. Baine, I. et al. (20) Holmfeldt, L. et al. 	(1998) Curr Biol 8, 5 13) J Immunol 190, 3	608-15. 1008-16.			
Species Reactivity	Species reactivity is c	Species reactivity is determined by testing in at least one approved application (e.g., western blot).				
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key	FC-FP: Flow Cytome	WB: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation FC-FP: Flow Cytometry (Fixed/Permeabilized) ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq C&R: CUT&RUN C&T: CUT&Tag				
Cross-Reactivity Key						

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3/23/24, 1:34 PM	 Helios (D8W4X) XP® Rabbit mAb (#42427) Datasheet Without Images Cell Signaling Technology H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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