

89270

Helios (E4L5U) Rabbit mAb



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Applications: W, IP, IHC-Bond, IHC-P	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 58, 63-70, 85	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UKS7	Entrez-Gene Id: 22807
Product Usage Information		Application Western Blotting			Dilution 1:1000	
		Immunoprecipitation	1		1:200	
		IHC Leica Bond			1:125 - 1:50	00
		Immunohistochemis	try (Paraffin)		1:250 - 1:10	000
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. <i>Do not aliquot the antibody.</i>				
		For a carrier-free (BS	A and azide free) ver	sion of this product see	product #59976.	
Specificity/Sensitivity		Helios (E4L5U) Rabbit mAb recognizes endogenous levels of total Helios protein. Non-specific non-nuclear staining was observed in some mouse tissues by immunohistochemistry.				
Species predic based on 100% homology		Bovine				
Source / Purifi	Irce / Purification Monoclonal antibody is produced by immunizing animals with a synthetic peptide correspondin residues surrounding Gly73 of human Helios protein.					orresponding to
Background		Helios (Ikaros family zinc finger 2, IKZF2) is an Ikaros family transcription factor composed of several zinc fingers that mediate DNA binding and homodimerization or heterodimerization with other Ikaros family proteins (1,2). In the hematopoietic system, Helios expression is restricted to T cells and early hematopoietic progenitors (1,2). In regulatory T cells, expression of Helios contributes to an anergic phenotype by binding to the IL-2 promoter and suppressing IL-2 transcription (3). In addition, alteration of the corresponding Helios gene <i>IKZF2</i> is one hallmark of low-hypodiploid acute lymphoblastic leukemia (4).				
Background References		 Hahm, K. et al. (1998) Genes Dev 12, 782-96. Kelley, C.M. et al. (1998) Curr Biol 8, 508-15. Baine, I. et al. (2013) J Immunol 190, 1008-16. Holmfeldt, L. et al. (2013) Nat Genet 45, 242-52. 				
Snecies Reacti	vity	Species reactivity is d	etermined by testing	n in at least one approve	ed application (e.g.	western blot)

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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 W: Western Blotting IP: Immunoprecipitation IHC-Bond: IHC Leica Bond IHC-P: Immunohistochemistry

(Paraffin)

Cross-Reactivity Key H: Human M: Mouse

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