

Helios Antibody



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Applications: W, IP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 58,63-70,85	Source/Isotype: Rabbit	UniProt ID: #Q9UKS7	Entrez-Gene Id: 22807
Product Usage Information	•	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Helios Antibody recognizes endogenous levels of total Helios protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro424 of human Helios protein. Antibodies are purified by protein A and peptide affinity chromatography.				
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		1. Hahm, K. et al. (1998) <i>Genes Dev</i> 12, 782-96. 2. Kelley, C.M. et al. (1998) <i>Curr Biol</i> 8, 508-15. 3. Baine, I. et al. (2013) <i>J Immunol</i> 190, 1008-16. 4. Holmfeldt, L. et al. (2013) <i>Nat Genet</i> 45, 242-52.				
Species Reactivity		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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human M: Mouse				
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