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Anti-HELIOS Antibody

Catalog # AP61225

Product Information

Application	WB
Primary Accession	Q9UKS7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59574

Additional Information

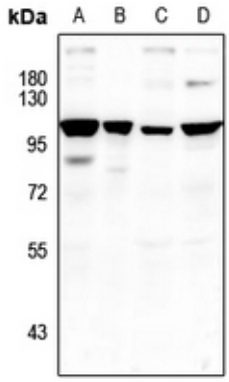
Gene ID	22807
Other Names	HELIOS; ZNFN1A2; Zinc finger protein Helios; Ikaros family zinc finger protein 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HELIOS. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	IKZF2
Synonyms	HELIOS, ZNFN1A2
Function	Transcription factor, which stabilizes the noninflammatory phenotype of regulatory T cells (Tregs) (By similarity). May possibly act via STAT5-mediated signaling (By similarity). Binds IL2 promoter and represses its transcription, possibly by epigenetic silencing, inducing deacetylation of core histones in the IL2 promoter (PubMed:37316189). In Tregs, required for FOXP3 recruitment to the IL2 promoter (By similarity). Required for outer hair cells maturation and, consequently, for hearing (By similarity).
Cellular Location	Nucleus. Note=Associates with IKZF1/Ikaros at centromeric heterochromatin in T-cell nuclei {ECO:0000250|UniProtKB:P81183}
Tissue Location	Expressed in various types of T cells, including developing thymocytes, activated T cells and regulatory T cells (PubMed:34826260). Expressed in

mucosal-associated invariant T (MAIT) cells both during their thymic development and their activation in the periphery (PubMed:34826260).

Images



Western blot analysis of HELIOS expression in A549 (A), MCF7 (B), PC12 (C), CT26 (D) whole cell lysates. (Predicted band size: 59 kD; Observed band size: 115 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.