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Helios Polyclonal Antibody

Catalog # AP70306

Product Information

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

Additional Information

Gene ID	22807
Other Names	IKZF2; HELIOS; ZNFN1A2; Zinc finger protein Helios; Ikaros family zinc finger protein 2
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

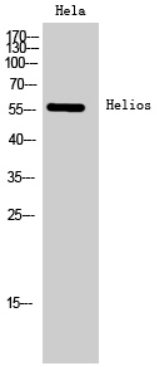
Protein Information

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).

Background

Associates with Ikaros at centromeric heterochromatin.

Images



Western Blot analysis of Hela cells using Helios Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

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