

Rabbit IKZF4 Polyclonal Antibody | anti-IKZF4 antibody

IKZF4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325313	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

IKZF4; Polyclonal Antibody; IKZF4 Antibody; EOS; Eos protein; IKAROS family zinc finger 4 (Eos); IKAROS family zinc finger 4; Ikaros family zinc finger protein 4; IKZF4_HUMAN; KIAA1782; Zinc finger protein Eos (IKAROS family zinc finger protein 4); Zinc finger protein Eos; Zinc finger protein; subfamily 1A; 4 (Eos); member 4; Zinc finger transcription factor Eos; ZNFN1A4; anti-IKZF4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IKZF4 antibody detects endogenous levels of total IKZF4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	585
Applicable Applications for anti-IKZF4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Highly expressed in skeletal muscle, low levels of expression in heart, thymus, kidney, liver, and spleen. Expressed in the hematopoietic cell lines MOLT-4, NALM-6 and K-562. Highly expressed in THP-1 and M-07e cell lines, which have characteristics of myeloid and early megakaryocytic cells respectively.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from NIH-3T3 cells, using IKZF4 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325313 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IKZF4 antibody	Function: DNA-binding protein that binds to the 5'GGGAATGCC-3' Ikaros-binding sequence. Transcriptional repressor. Interacts with SPI1 and MITF to repress transcription of the CTSK and ACP5 promoters via recruitment of corepressors SIN3A and CTBP2. May be involved in the development of central and peripheral nervous systems. Essential for the inhibitory function of regulatory T-cells (Treg). Mediates FOXP3-mediated gene silencing in regulatory T-cells (Treg) via recruitment of corepressor CTBP1 (By similarity). Subunit Structure: Self-associates. Interacts with other family members; IKZF1, IKZF2, IKZF3 and IKZF5. Interacts with CTBP2. Interacts with SPI1, MITF, FOXP3 and CTBP1 (By similarity). Similarity: The N-terminal zinc fingers are involved in sequence-specific DNA binding and heterotypic associations with other family members. C-terminal zinc fingers mediate homodimerization. Belongs to the Ikaros C2H2-type zinc-finger protein family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	122891864
NCBI GeneID	64375
NCBI Accession #	NP_071910.3
NCBI GenBank Nucleotide #	NM_022465.3
UniProt Accession #	Q9H2S9; Q96JP3
Molecular Weight	Observed: 64 kD Predicted: 65 kDa
NCBI Official Full Name	zinc finger protein Eos isoform a
NCBI Official Synonym Full Names	IKAROS family zinc finger 4
NCBI Official Symbol	IKZF4
NCBI Official Synonym Symbols	EOS; ZNFN1A4
NCBI Protein Information	zinc finger protein Eos
UniProt Protein Name	Zinc finger protein Eos
UniProt Gene Name	IKZF4
UniProt Synonym Gene Names	KIAA1782; ZNFN1A4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.