



Eos Monoclonal Antibody

Catalog No	YP-mAb-01697
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IKZF4
Immunogen	The antiserum was produced against synthesized peptide derived from human IKZF4. AA range:471-520
Specificity	Eos Monoclonal Antibody detects endogenous levels of Eos protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EOS;IKZF 4;KIAA1782;Zinc finger protein Eos;ZNFN1A4;IKZF4;Ikaros family zinc finger protein 4
Observed Band	64kD
Calculated Molecular Weight	64kD
Cell Pathway	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.
Function	domain:C-terminal zinc fingers mediate homodimerization.,domain:The N-terminal zinc fingers are involved in sequence-specific DNA binding and heterotypic associations with other family members.,function:DNA-binding protein that binds to the 5'GGGAATRCC-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.,miscellaneous:'Eos' is a Greek word for rising sun.,similarity:Belongs to



the Ikaros C2H2-type zinc-finger protein family.,similarity:Contains 6 C2H2-type zinc fingers.,subunit:Self-associates and interacts with other family members; IKZF1, IKZF2, IKZF3 AND IKZF5. Interacts with CTBP2, SPI1 and MITF.,tissue specificity:Highly expressed in skeletal muscle, low levels of expressi

Background

Members of the Ikaros (ZNFN1A1; MIM 603023) family of transcription factors, which includes Eos, are expressed in lymphocytes and are implicated in the control of lymphoid development.[supplied by OMIM, Jul 2002],

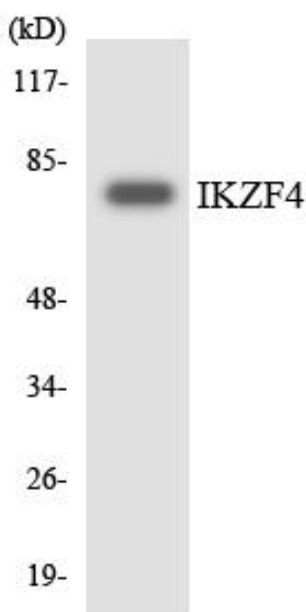
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Eos Monoclonal Antibody