

Ikaros Monoclonal Antibody

Catalog No :	YM1052
Reactivity :	Human;Mouse;Dog
Applications :	WB
Target :	Ikaros
Gene Name :	IKZF1
Protein Name :	DNA-binding protein Ikaros
Human Gene Id :	10320
Human Swiss Prot No :	Q13422
Mouse Swiss Prot No :	Q03267
Immunogen :	Purified recombinant human Ikaros (C-terminus) protein fragments expressed in E.coli.
Specificity :	Ikaros Monoclonal Antibody detects endogenous levels of Ikaros protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:1000 - 1:2000. Not yet tested in other applications.
Purification :	Affinity purification
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	58kD

Background : This gene encodes a transcription factor that belongs to the family of zinc-finger DNA-binding proteins associated with chromatin remodeling. The expression of this protein is restricted to the fetal and adult hemo-lymphopoietic system, and it functions as a regulator of lymphocyte differentiation. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. Most isoforms share a common C-terminal domain, which contains two zinc finger motifs that are required for hetero- or homo-dimerization, and for interactions with other proteins. The isoforms, however, differ in the number of N-terminal zinc finger motifs that bind DNA and in nuclear localization signal presence, resulting in members with and without DNA-binding properties. Only a few isoforms contain the requisite three or more N-terminal zinc motifs that confer high affinity binding

Function : function: Binds and activates the enhancer (delta-A element) of the CD3-delta gene. Functions in the specification and the maturation of the T-lymphocyte. Also interacts with a critical control element in the TDT (terminal deoxynucleotidyltransferase) promoter as well as with the promoters for other genes expressed during early stages of B- and T-cell development.,similarity: Belongs to the Ikaros C2H2-type zinc-finger protein family.,similarity: Contains 6 C2H2-type zinc fingers.,subunit: Interacts with IKZF4 AND IKZF5.,tissue specificity: Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.,

Subcellular Location : Nucleus . In resting lymphocytes, distributed diffusely throughout the nucleus. Localizes to pericentromeric heterochromatin in proliferating cells. This localization requires DNA binding which is regulated by phosphorylation / dephosphorylation events. .; [Isoform Ik2]: Nucleus. In resting lymphocytes, distributed diffusely throughout the nucleus. Localizes to pericentromeric heterochromatin in proliferating cells. This localization requires DNA binding which is regulated by phosphorylation / dephosphorylation events (By similarity). .; [Isoform Ik6]: Cytoplasm .

Expression : Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.

Tag : orthogonal

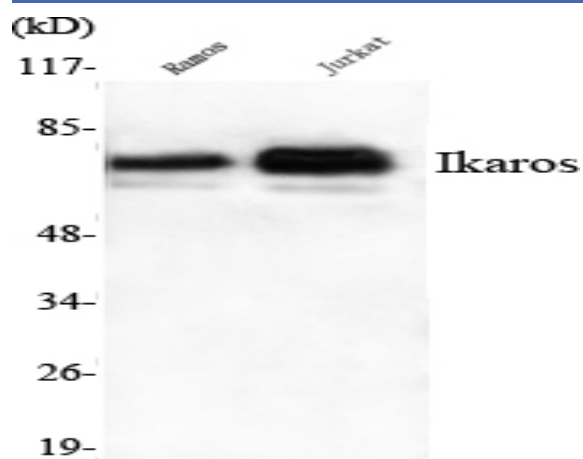
Sort : 8386

No4 : 1

Host : Mouse

Modifications : Unmodified

Products Images



Western Blot analysis using Ikaros Monoclonal Antibody against Ramos, Jurkat cell lysate.