

Ikaros(C-term) mouse mAb

Catalog No :	YM1278
Reactivity :	Human
Applications :	WB;IP
Target :	Ikaros
Gene Name :	ikzf1
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 :	This antibody detects endogenous levels of Ikaros(C-terminus) and does not cross-react with related proteins.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb 1:1000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	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.,

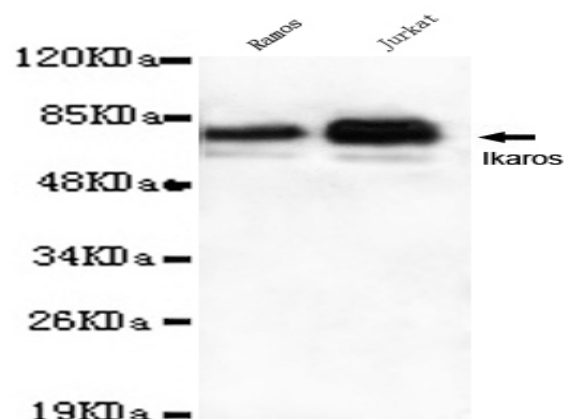
Subcellular Location :

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 .

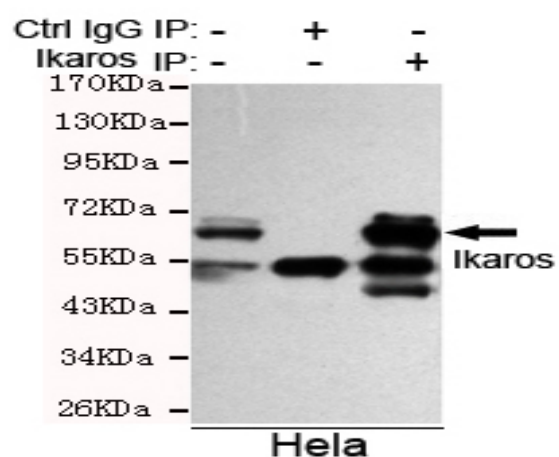
Expression :

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

Products Images



Western blot detection of Ikaros(C-terminus) in Ramos and Jurkat cell lysates using Ikaros(C-terminus) mouse mAb (1:1000 diluted). Predicted band size: 58KDa. Observed band size: 58KDa.



Immunoprecipitation analysis of HeLa cell lysate using Ikaros (C-terminus) mouse mAb.