

CAB3565

Product Information

Product SKU:	CAB3565	Gene ID:	10320	Size:	20uL, 100uL
Clone No:	ARC0803	Host Species:	Rabbit	Reactivity:	Human,Mouse

Additional Information

Observed MW:	58kDa	Conjugate:	Unconjugated
Calculated MW:	58kDa	Isotype:	IgG

Immunogen Information

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 to a specific core DNA sequence element in the promoters of target genes. The non-DNA-binding isoforms are largely found in the cytoplasm, and are thought to function as dominant-negative factors. Overexpression of some dominant-negative isoforms have been associated with B-cell malignancies, such as acute lymphoblastic leukemia (ALL).
Recommended Dilution:	WB,1:500 - 1:2000 IF/ICC,1:50 - 1:200 ChIP,5µg antibody for 10µg-15µg of ChromatinCUT&Tag, 10 ⁵ cells /1 µg
Synonyms:	IK1; LYF1; LyF-1; CVID13; IKAROS; PPP1R92; PRO0758; ZNFN1A1; Hs.54452; Ikaros
Purification Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 250-350 of human Ikaros (Q13422).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.