Datasheet for ABIN7602788

anti-IKZF1 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	IKZF1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IKZF1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-Ikaros/IKZF1 Antibody Picoband® (monoclonal, 5F12H7)
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Ikaros, different from the related mouse sequence by five amino acids.
Clone:	5F12H7
Isotype:	IgG1
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Ikaros/IKZF1 Antibody Picoband® (monoclonal, 5F12H7) (ABIN7602788). Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	IKZF1
Alternative Name:	IKZF1 (IKZF1 Products)
Background:	Synonyms: Serum paraoxonase/arylesterase 1, PON 1 Tissue Specificity: Plasma, liver, kidney, heart, brain, small intestine and lung. In the plasma, associated with HDL. Background: DNA-binding protein Ikaros is a protein that in humans is encoded by the IKZF1 gene. 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.
Molecular Weight:	55-65 kDa
Gene ID:	10320
UniProt:	Q13422
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human 1. Georgopoulos K, Moore DD, Derfler B (December 1992). "Ikaros, an early lymphoid-specific transcription factor and a putative mediator for T cell commitment". Science 258 (5083): 808-12. 2. Hahm K, Ernst P, Lo K, Kim GS, Turck C, Smale ST (November 1994). "The lymphoid transcription factor LyF-1 is encoded by specific, alternatively spliced mRNAs derived from the

Application Details

	Ikaros gene". Mol Cell Biol 14 (11): 7111-23.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.