Datasheet for 600-401-BD0

FAIM Antibody

Overview

Description:	Anti-FAIM (RABBIT) Antibody - 600-401-BD0
Item No.:	600-401-BD0
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The susceptibility of primary splenic B cells to Fas-mediated apoptosis is regulated in a receptor-specific fashion. Terminal effectors of B cell Fas-resistance include the known anti-apoptotic proteins Bcl-xL, FLIP, and a recently identified protein termed FAIM. This molecule is broadly expressed in various tissues and exists in at least three isoforms. It is thought that resistance to Fas killing via increased expression of FAIM protects foreign antigen-specific B cells during interactions with FasL-bearing T cells whereas autoreactive B cells are deleted via Fas-dependent cytotoxicity. More recent results have indicated that FAIM interacts with both Trk and p75 neurotrophin receptor and may play a role in promoting neurite outgrowth in different neuronal systems by a mechanism involving the activation of NF-kB and the Ras-ERK pathway.
Synonyms:	FAIM Antibody, FAIM1, FAIM1, Fas apoptotic inhibitory molecule 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FAIM
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-FAIM antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide from near the C-terminus of human FAIM.
Purity/Specificity:	Anti-FAIM Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with FAIM from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9NVQ4 • GeneID - 55179 • NCBI - NP_060617

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-FAIM Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 20 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50,000 - 1:100,000
WB:	5-10 µg/mL

Formulation

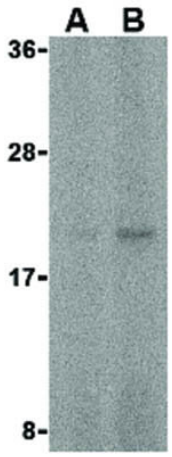
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of FAIM antibody. Lane 1: Human spleen tissue lysate with FAIM at 5 µg/mL. Lane 2: Human spleen tissue with FAIM at 10 µg/mL. Load: 35 µg per lane.. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 20.2 kDa, 20 kDa for FAIM.

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