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Datasheet for ABIN6991440
anti-EFCAB4B antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	EFCAB4B
Binding Specificity:	AA 640-690, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EFCAB4B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	EFCAB4B antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of human EFCAB4B. The immunogen is located within amino acids 640 - 690 of EFCAB4B.
Isotype:	IgG
Purification:	EFCAB4B Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	EFCAB4B
Alternative Name:	EFCAB4B (EFCAB4B Products)
Background:	EFCAB4B Antibody: EFCAB4B, also known as Calcium release-activated calcium channel

Target Details

regulator 2A, is a novel Ca²⁺-binding EF-hand protein that is thought to play a key role in store-operated Ca²⁺ entry in T-cells by regulating CRAC channel activation. EFCAB4B acts as a cytoplasmic calcium-sensor that forms a complex with ORAI1 and STIM1 at the junctional regions between the plasma membrane and the endoplasmic reticulum upon low Ca²⁺ concentration. A closely related protein, EFCAB4A, is likely to play a similar role as EFCAB4B, but the detailed function of EFCAB4A is still under investigation.

Gene ID: 84766

NCBI Accession: [NP_001138430](#)

UniProt: [Q9BSW2](#)

Application Details

Application Notes: EFCAB4B antibody can be used for detection of EFCAB4B by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 10 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in mouse samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: EFCAB4B Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: EFCAB4B antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.