

Datasheet for ABIN1539404
anti-EFCAB4B antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	EFCAB4B
Binding Specificity:	AA 48-74, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This EFCAB4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-74 amino acids from the N-terminal region of human EFCAB4B.
Clone:	RB38227
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	EFCAB4B
Alternative Name:	EFCAB4B (EFCAB4B Products)
Background:	Ca(2+)-binding protein that plays a key role in store-operated Ca(2+) entry (SOCE) in T-cells by regulating CRAC channel activation. Acts as a cytoplasmic calcium-sensor that facilitates the clustering of ORAI1 and STIM1 at the junctional regions between the plasma membrane and

Target Details

the endoplasmic reticulum upon low Ca(2+) concentration. It thereby regulates CRAC channel activation, including translocation and clustering of ORAI1 and STIM1. Upon increase of cytoplasmic Ca(2+) resulting from opening of CRAC channels, dissociates from ORAI1 and STIM1, thereby destabilizing the ORAI1-STIM1 complex.

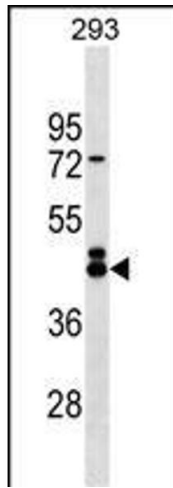
Molecular Weight:	45592
Gene ID:	84766
NCBI Accession:	NP_001138430 , NP_116069
UniProt:	Q9BSW2

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	EFCAB4B Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



Western Blotting

Image 1. EFCAB4B Antibody (N-term) (ABIN1539404 and ABIN2849476) western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the EFCAB4B antibody detected the EFCAB4B protein (arrow).