

Datasheet for ABIN783783  
**anti-EFCAB4A antibody (Center)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	0.1 mg
Target:	EFCAB4A
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EFCAB4A antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	15 amino acid peptide near the center of human EFCAB4A
Specificity:	This antibody detects EFCAB4A at Center.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	EFCAB4A
Alternative Name:	EFCAB4A ( <a href="#">EFCAB4A Products</a> )
Background:	EFCAB4A, also known as Calcium release-activated calcium channel regulator 2B, is a novel Ca <sup>2+</sup> -binding EF-hand protein that is thought to play a key role in store-operated Ca <sup>2+</sup> entry in

## Target Details

T-cells by regulating CRAC channel activation, but the detailed function is still under investigation. It is likely to play a similar role as the related protein EFCAB4B, which 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 Ca<sup>2+</sup> concentration. Synonyms: EF-hand calcium-binding domain-containing protein 4A

Gene ID: 283229

NCBI Accession: [NP\\_775855](#)

UniProt: [Q8N4Y2](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Buffer: PBS containing 0.02 % sodium azide

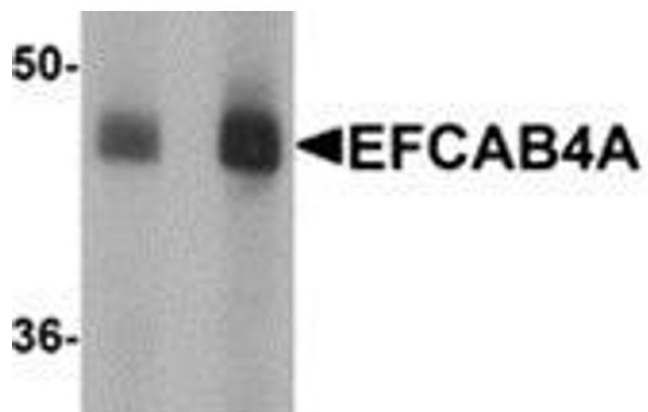
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



#### Western Blotting

**Image 1.** Western blot analysis of EFCAB4A in human lung tissue lysate with EFCAB4A antibody at (A) 1 and (B) 2  $\mu$ g/ml.