

Datasheet for 600-401-AZ2**EFCAB4A Antibody****Overview**

Description:	Anti-EFCAB4A (RABBIT) Antibody - 600-401-AZ2
Item No.:	600-401-AZ2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	EFCAB4A, also known as Calcium release-activated calcium channel regulator 2B, is a novel Ca ²⁺ -binding EF-hand protein that is thought to play a key role in store-operated Ca ²⁺ entry in 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 ²⁺ concentration.
Synonyms:	EFCAB4A Antibody, CRACR2B, CRACR2B, EF-hand calcium-binding domain-containing protein 4A, Calcium release-activated calcium channel regulator 2B, CRAC channel regulator 2B
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CRACR2B
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-EFCAB4A antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the internal region of human EFCAB4A.

Purity/Specificity:	Anti-EFCAB4A Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with EFCAB4A from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8N4Y2 • GeneID - 283229 • NCBI - NP_775855

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-EFCAB4A 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 45 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:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

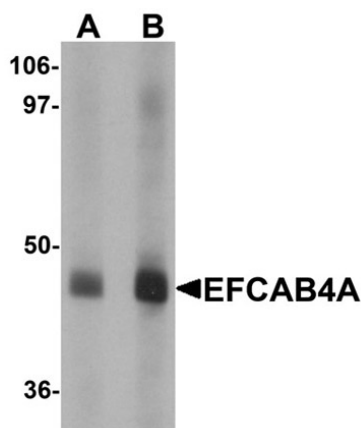
Formulation

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 analysis of EFCAB4A.

Load: human lung tissue lysate.

Primary Antibody: Anti-EFCAB4A antibody at (A) 1 μ g/mL and (B) 2 μ g/mL.

Disclaimer

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