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EFCAB4A Antibody
Catalog # ASC11231

Specification

EFCAB4A Antibody - Product Information

Application	**WB**
Primary Accession	Q8N4Y2
Other Accession	NP_775855, 150170653
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**EFCAB4A antibody can be used for detection of EFCAB4A by Western blot at 1 - 2 µg/mL.**

EFCAB4A Antibody - Additional Information

Gene ID **283229**

Target/Specificity
EFCAB4A;

Reconstitution & Storage
EFCAB4A antibody can be stored at 4℃ for three months and -20℃, 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.

Precautions
EFCAB4A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

EFCAB4A Antibody - Protein Information

Name CRACR2B

Synonyms EFCAB4A

Function
Plays a role in store-operated Ca(2+) entry (SOCE).

EFCAB4A Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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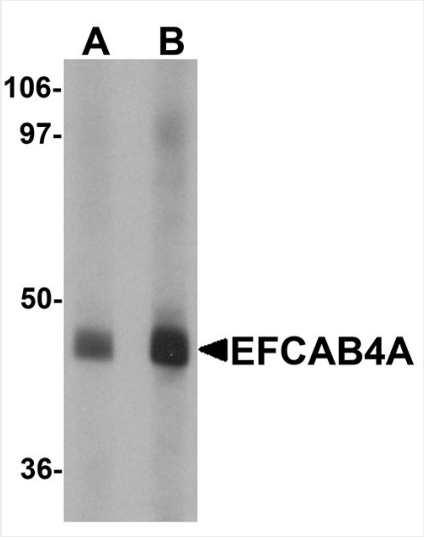
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

EFCAB4A Antibody - Images



Western blot analysis of EFCAB4A in human lung tissue lysate with EFCAB4A antibody at (A) 1 and (B) 2 µg/mL.

EFCAB4A Antibody - Background

EFCAB4A Antibody: EFCAB4A, also known as Calcium release-activated calcium channel regulator 2B, 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, 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 Ca2+ concentration.

EFCAB4A Antibody - References

Srikanth S, Jung HJ, Kim KD, et al. A novel EF-hand protein, CRACR2A, is a cytosolic Ca2+ sensor that stabilizes CRAC channels in T cells. Nat. Cell. Biol.2010; 12:436-46.
Srikanth S, Jung HJ, Ribalet B, et al. The intracellular loop of Orai1 plays a central role in fast inactivation of Ca2+ release-activated Ca2+ channels. J. Biol. Chem.2010; 285:5066-75.
Maruyama K, Mikawa T, and Ebashi S. Detection of calcium binding proteins by 45Ca autoradiography on nitrocellulose membrane after sodium dodecyl sulfate gel electrophoresis. J. Biochem.1984; 95:511-9.