

CRACR2A Polyclonal Antibody

Catalog No. E-AB-64840

Note: Centrifuge before opening to ensure complete recovery of vial contents.

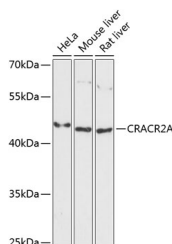
Description

Reactivity	Human,Mouse,Rat
Immunogen	Recombinant fusion protein of human CRACR2A
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.01% thiomersal,50% glycerol,pH7.3.

Applications Recommended Dilution

WB	1:500-1:2000
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Data



Western blot analysis of extracts of various cell lines using CRACR2A Polyclonal Antibody at 1:3000 dilution.

Observed Mw:45kDa
Calculated Mw:45kDa/83kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

[Isoform 1]: 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 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.

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