CRACR2A Polyclonal Antibody

Catalog Number:E-AB-64839

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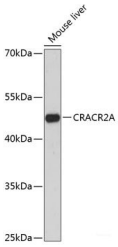
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

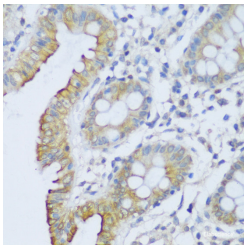
Reactivity	Human,Mouse
Immunogen	Recombinant fusion protein of human CRACR2A (NP_001138430.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200

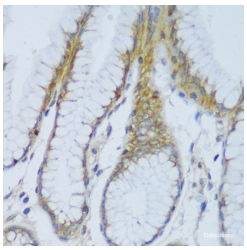
Data



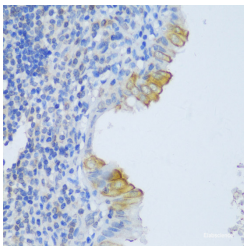
Western blot analysis of extracts of Mouse liver using CRACR2A Polyclonal Antibody at dilution of 1:3000.
Observed Mw:45kDa
Calculated Mw:45kDa/83kDa



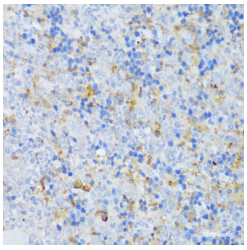
Immunohistochemistry of paraffin-embedded Human colon using CRACR2A Polyclonal Antibody at dilution of 1:150 (40x lens).



Immunohistochemistry of paraffin-embedded Human stomach using CRACR2A Polyclonal Antibody at dilution of 1:150 (40x lens).



Immunohistochemistry of paraffin-embedded Human appendix using CRACR2A Polyclonal Antibody at dilution of 1:150 (40x lens).



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Immunohistochemistry of paraffin-embedded Mouse spleen using CRACR2A Polyclonal Antibody at dilution of 1:150 (40x lens).

Preparation & Storage

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

Background

Ca2+-binding protein that plays a key role in store-operated Ca2+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 Ca2+concentration. It thereby regulates CRAC channel activation, including translocation and clustering of ORAI1 and STIM1. Upon increase of cytoplasmic Ca2+resulting from opening of CRAC channels, dissociates from ORAI1 and STIM1, thereby destabilizing the ORAI1-STIM1 complex.