

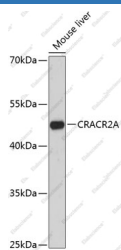
CRACR2A Polyclonal Antibody

catalog number: **E-AB-64839**

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	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200

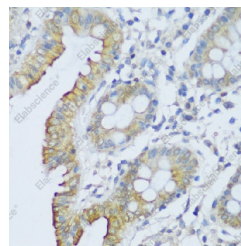
Data



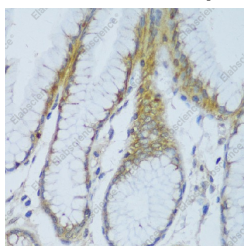
Western blot analysis of extracts of Mouse liver using CRACR2A Polyclonal Antibody at dilution of 1:3000.

Observed-MW:45 kDa

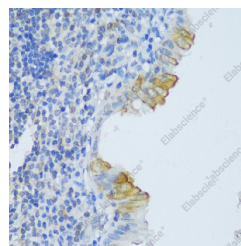
Calculated-MW:45 kDa/83 kDa



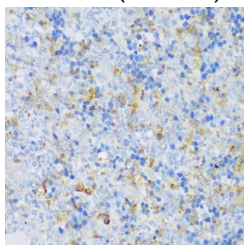
Immunohistochemistry of paraffin-embedded Human colon using CRACR2A Polyclonal Antibody at dilution of 1:150 (40x lens).



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).



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

Preparation & Storage

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.8

Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

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.

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