Datasheet for ABIN6138999

anti-EFCAB4B antibody (AA 1-200)

5 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	EFCAB4B
Binding Specificity:	AA 1-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EFCAB4B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human CRACR2A (NP_001138430.1).
Sequence:	MAAPDGRVVS RPQRLGQGSG QGPKGSGACL HPLDSLEQKE TQEQTSGQLV MLRKAQEFFQ TCDAEGKGFI ARKDMQRLHK ELPLSLEELE DVFDALDADG NGYLTPQEFT TGFSHFFFSQ NNPSQEDAGE QVAQRHEEKV YLSRGDEDLG DMGEDEEAQF RMLMDRLGAQ KVLEDESDVK QLWLQLKKEE PHLLSNFEDF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

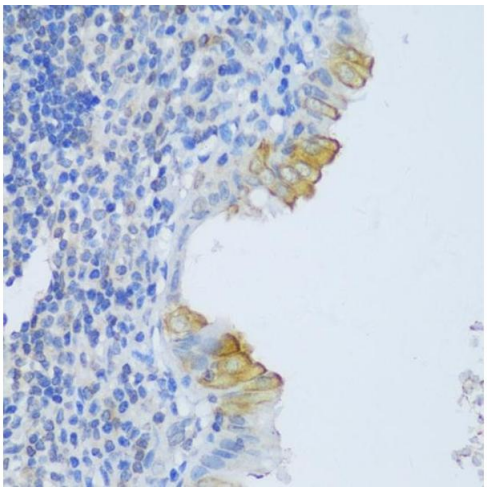
Target:	EFCAB4B
Alternative Name:	CRACR2A (EFCAB4B Products)
Background:	[Isoform 1]: Ca(2+-binding protein that plays a key role in store-operated Ca(2+ entry (SOCE in T-cells by regulating CRAC channel activation. Acts as a cytoplasmic calcium-sensor that facilitates the clustering of ORAI1 and STIM1 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.,CRACR2A,EFCAB4B,Signal Transduction,Neuroscience,Calcium Signaling,CRACR2A
Molecular Weight:	45 kDa/83 kDa
Gene ID:	84766
UniProt:	Q9BSW2

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

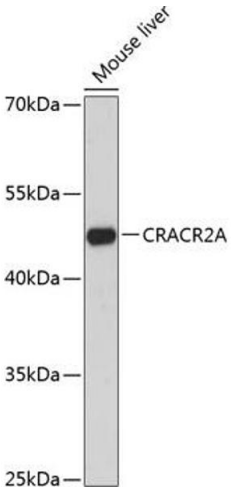
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



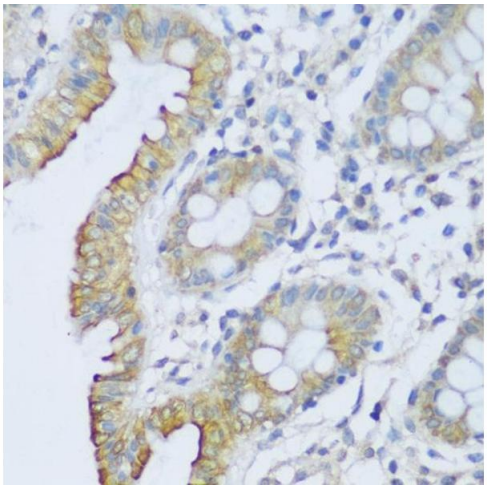
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human appendix using CRA antibody (ABIN6132087, ABIN6138999, ABIN6139001 and ABIN6217973) at dilution of 1:150 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of mouse liver, using CRA antibody (ABIN6132087, ABIN6138999, ABIN6139001 and ABIN6217973) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human colon using CRA antibody (ABIN6132087, ABIN6138999, ABIN6139001 and ABIN6217973) at dilution of 1:150 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 5 images are available for ABIN6138999.