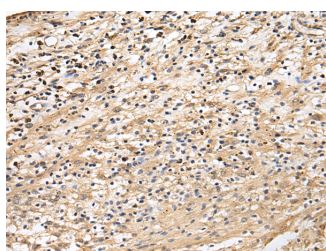


## CRACR2A Polyclonal Antibody

<b>Catalog No.</b>	E-AB-19269	<b>Reactivity</b>	H
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	IHC,ELISA	<b>Isotype</b>	IgG

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

### Images



Immunohistochemistry of paraffin-embedded Human brain tissue using CRACR2A Polyclonal Antibody at dilution of 1:60(×200)

### Immunogen Information

<b>Immunogen</b>	Fusion protein of human CRACR2A
<b>Gene Accession</b>	BC004524
<b>Swissprot</b>	Q9BSW2
<b>Synonyms</b>	CRACR2A,EFC4B,EFCAB4B,Efcab4b,FLJ33805,MGC4266

### Product Information

<b>Buffer</b>	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4
<b>Purify</b>	Antigen affinity purification
<b>Dilution</b>	IHC 1:50-1:200, ELISA 1:5000-1:10000

### Background

Ca<sup>2+</sup>-binding protein that plays a key role in store-operated Ca<sup>2+</sup> 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<sup>2+</sup>-concentration. It thereby regulates CRAC channel activation, including translocation and clustering of ORAI1 and STIM1. Upon increase of cytoplasmic Ca<sup>2+</sup>-resulting from opening of CRAC channels, dissociates from ORAI1 and STIM1, thereby destabilizing the ORAI1-STIM1 complex.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.