

CRACR2A RABBIT PAB

Cat.#: S219378

Product Name: Anti-CRACR2A Rabbit Polyclonal Antibody

Synonyms: EFCAB4B

UNIPROT ID: Q9BSW2 (Gene Accession - BC004524)

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 ORA11 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 ORA11 and STIM1. Upon increase of cytoplasmic Ca²⁺ resulting from opening of CRAC channels, dissociates from ORA11 and STIM1, thereby destabilizing the ORA11-STIM1 complex.

Immunogen: Fusion protein of human CRACR2A

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

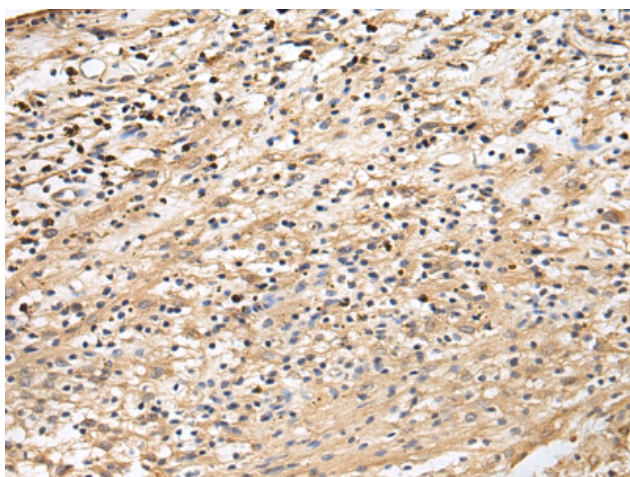
Purification: Antigen affinity purification

Species Reactivity: Human

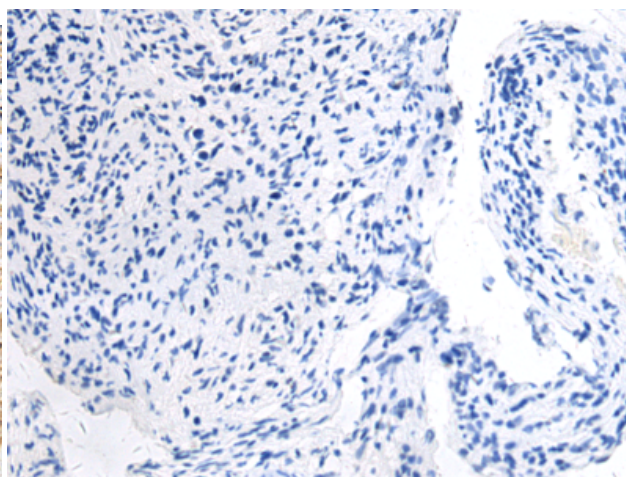
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human brain tissue using 219378(CRACR2A Antibody) at a dilution of 1/60(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the fusion protein and then with 219378(Anti-CRACR2A Antibody) at dilution 1/60.