

Orai1-Li

Catalog Number: 21001

Gene Symbol: Orai1

Description: Orai1 Rabbit Polyclonal Antibody (Orai1-L1)

Background: Store-operated calcium channels (SOCs) play essential functions in various physiological processes. Orai1 (also named CRACM1) is a critical molecular component of SOCs. Orai1 protein is a ~35 kDa plasma membrane protein with 4 transmembrane domains. Human patients with a severe combined immunodeficiency (SCID) syndrome possess point mutations in Orai1 gene.

Immunogen: A peptide from the extracellular loop 1 region of human Orai1

Tested Applications: ELISA, WB, IHC

Recommended dilutions:

ELISA	1:1000-1:5000,
WB	1:1000-1:2000,
IHC	1:100-1:200

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Purity: Immunogen affinity purified

Format: Liquid

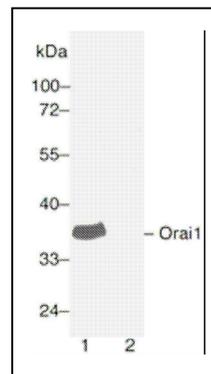
Preservative: No

Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH7.4, 150 mM NaCl, 50% glycerol 4

Species Reactivity: Orai1-L1 antibody recognizes Orai1 from human and mouse. It may also recognize Orai2 and Orai3.

Storage Conditions: Store at $-20^{\circ}C$. Avoid freeze / thaw cycles

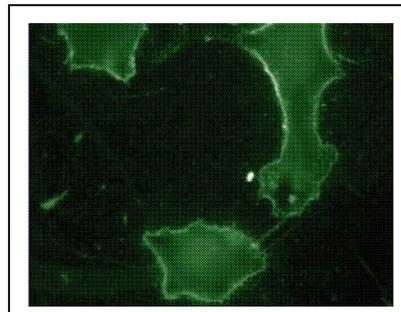
Western blot



Western blot analysis of Orai1 protein.

Human Orai1 plasmid DNA was transiently transfected into HEK-293 cells. Whole-cell lysate was used for western blot in the absence (lane 1) or presence (lane 2) of antigen peptide.

Immunohistochemistry



Immunohistochemistry of endogenous Orai1 in NIH3T3 cells showing the plasma membrane staining.

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