

Orai-L2 Polyclonal antibody

Catalog Number: 59013-1-Ig

Basic Information

Catalog Number:

59013-1-Ig

Size:

360 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_032790

GeneID (NCBI):

84876

UNIPROT ID:

Q96D31

Full Name:

ORAI calcium release-activated calcium modulator 1

Calculated MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Transfected 293 cells,

IHC : NIH3T3 cell tissue,

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Background Information

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. This antibody may be used to block the ion currents mediated by Orai1.

Storage

Storage:

Store at -20°C.

Storage Buffer:

50mM NaHCO₃-glycine, 0.15M NaCl and 0.01% sodium azide pH7.4.

Aliquoting is unnecessary for -20°C storage

