



Rabbit Anti-Orai2 antibody

SL9541R

Product Name:	Orai2
Chinese Name:	Transmembrane protein Orai2 抗体
Alias:	C7orf19; CAP binding protein complex interacting protein 2; CBCIP 2; CBCIP2; Chromosome 7 open reading frame 19; FLJ12474; FLJ14733; FLJ44818; H_NH0514P08.8; Orai 2; ORAI calcium release activated calcium modulator 2; Protein orai 2; TMEM 142B; TMEM142B; Transmembrane protein 142B.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Chicken, Dog, Cow, Horse, Rabbit, Sheep,
Applications:	WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Orai2:1-100/254
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Orai2 is a 254 amino acid multi-pass membrane protein that belongs to the orai family of proteins. Localizing to the plasma membrane, Orai2 plays an important role in store-operated calcium (SOC) entry, a process involving Ca ²⁺ influx and replenishment of Ca ²⁺ stores formerly emptied through the action of inositol 1,4,5-trisphosphate

production and other Ca²⁺ mobilizing agents. CRAC channels are responsible for mediating calcium influx in T-cells and play an important role in the immune response. Orai2 specifically increases the Ca²⁺-selective current through coaction with the Ca²⁺ sensor Stim1.

Function:

Ca(2+) release-activated Ca(2+)-like (CRAC-like) channel subunit which mediates Ca(2+) influx and increase in Ca(2+)-selective current by synergy with the Ca(2+) sensor, STIM1.

Subunit:

Interacts with EFCAB4B/CRACR2A.

Subcellular Location:

Membrane; Multi-pass membrane protein.

Similarity:

Belongs to the Orai family.

SWISS:

Q96SN7

Gene ID:

80228

Database links:

[Entrez Gene: 80228](#)Human

[Entrez Gene: 269717](#)Mouse

[Entrez Gene: 304592](#)Rat

[Omim: 610929](#)Human

[SwissProt: Q96SN7](#)Human

[SwissProt: Q8BH10](#)Mouse

[Unigene: 363308](#)Human

[Unigene: 308396](#)Mouse

[Unigene: 18207](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

