

Rabbit anti-Human, Mouse ORAI3 Polyclonal Antibody | anti-ORAI3 antibody

ORAI3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303509	Rabbit	Human, Mouse	Immunocytochemistry, Western Blot, ELISA

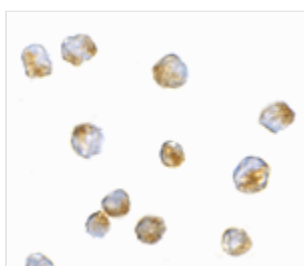
PRODUCT SYNONYMS

ORAI3; Polyclonal Antibody; ORAI3 Antibody; Transmembrane protein 142C; TMEM142C; Calcium release-activated; anti-ORAI3 antibody

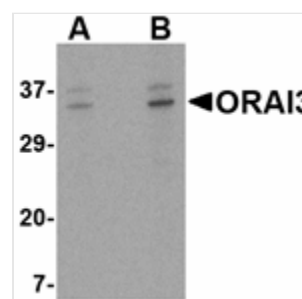
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	295
Applicable Applications for anti-ORAI3 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide from near the carboxy terminus of human ORAI3.
Target Name	ORAI3
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of ORAI3 in A20 cells with ORAI3 antibody at 5 ug/mL.


WB (Western Blot)

Western blot analysis of ORAI3 in A20 cell lysate with ORAI3 antibody at (A) 2 and (B) 4 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ORAI3 antibody	Antigen stimulation of immune cells triggers Ca++ entry through Ca++ release-activated Ca++ (CRAC) channels. ORAI3 is one of two mammalian homologs to ORAI1, a recently identified four-transmembrane spanning protein that is an essential component of CRAC. All three homologs have been shown to function as Ca++ plasma membrane channels gated through interactions with STIM1, the store-activated endoplasmic reticulum Ca++ sensor. However, ORAI3 channels failed to produce detectable Ca++ selective currents in cells co-transfected with ORAI3 and STIM1, indicating that ORAI3 channels undergo a lesser degree of depotentiation than ORAI1 or ORAI2. Na+ currents through ORAI1, 2 and 3 channels were equally inhibited by extracellular Ca++, indicating that each have similar affinities for Ca++ within the selectivity filter. This antibody is predicted to have no cross-reactivity to ORAI1 or ORAI2.
Product Categories/Family for anti-ORAI3 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	22748651
NCBI GeneID	93129
NCBI Accession #	NP_689501.1
NCBI GenBank Nucleotide #	NM_152288.2
UniProt Accession #	Q9BRQ5; Q96BI8
NCBI Official Full Name	protein orai-3
NCBI Official Synonym Full Names	ORAI calcium release-activated calcium modulator 3
NCBI Official Symbol	ORAI3
NCBI Official Synonym Symbols	TMEM142C
NCBI Protein Information	protein orai-3
UniProt Protein Name	Protein orai-3
UniProt Gene Name	ORAI3
UniProt Synonym Gene Names	TMEM142C
UniProt Entry Name	ORAI3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/orai3-antibody-immunocytochemistry-western-blot-elisa/303509>