Rabbit anti-Human, Mouse ORAI1 Polyclonal Antibody | anti-ORAI1 antibody

ORAI1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39351	**Rabbit**	**Human, Mouse**	**Immunohistochemistry, Western Blot, ELISA**

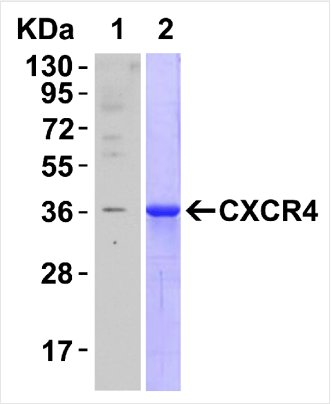
PRODUCT SYNONYMS

ORAI1; Polyclonal Antibody; ORAI1 Antibody; IMD9; ORAT1; CRACM1; TMEM142A; Calcium release-activated calcium channel protein 1; Protein orai-1; ORAI calcium release-activated calcium modulator 1; anti-ORAI1 antibody

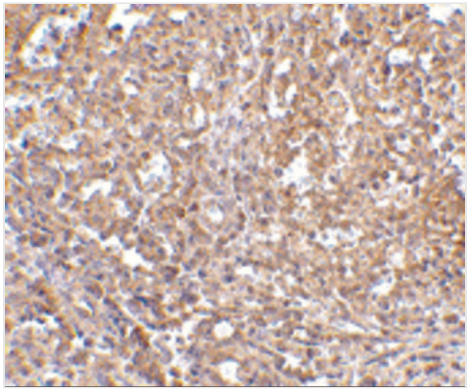
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is predicted to have no cross-reactivity to ORAI2 or ORAI3.
Purity/Purification	ORAI1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	301
Applicable Applications for anti-ORAI1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ORAI1 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human ORAI1.
Buffer	ORAI1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ORAI1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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.

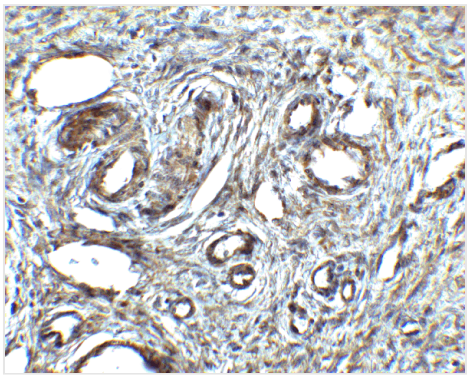
IMAGES



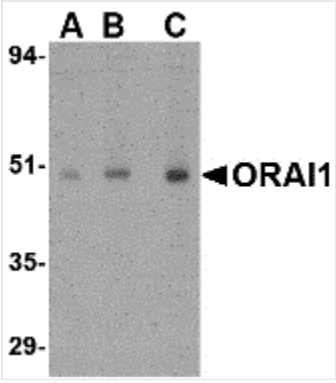
IF (Immunofluorescence)
Immunofluorescence of ORAI1 in human ovary tissue with ORAI1 antibody at 20 μg/mL.Red: ORAI1 Antibody (4281)Blue: DAPI staining



IHC (Immunohistochemisry)
Immunohistochemistry of ORAI1 in human spleen tissue with ORAI1 antibody at 2.5 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of ORAI1 in human ovary tissue with ORAI1 antibody at 2.5 μg/ml.



WB (Western Blot)
Western blot analysis of ORAI1 in human ovary tissue lysate with ORAI1 antibody at (A) 0.5, (B) 1 and (C) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ORAI1 antibody	ORAI1 Antibody: Antigen stimulation of immune cells triggers Ca++ entry through Ca++ release-activated Ca++ (CRAC) channels. ORAI1 is a recently identified four-transmembrane spanning protein that is an essential component of CRAC. A missense mutation in this protein in humans is the cause of one form of hereditary severe combined immune deficiency (SCID) which results in ablated T-cell Ca++ entry. It has been suggested that ORAI1 functions as a highly selective Ca++ plasma membrane channel that is gated through interactions with STIM1, the store-activated endoplasmic reticulum Ca++ sensor.

NCBI AND UNIPROT INFORMATION

NCBI GI #	97180269
NCBI GeneID	84876
UniProt Accession #	Q96D31; Q3MHV3; Q6DHX2; Q96BP7; Q96K71
Molecular Weight	25,337 Da
NCBI Official Full Name	Calcium release-activated calcium channel protein 1
NCBI Official Synonym Full Names	ORAI calcium release-activated calcium modulator 1
NCBI Official Symbol	ORAI1
NCBI Official Synonym Symbols	IMD9; TAM2; ORAT1; CRACM1; TMEM142A

NCBI Protein Information	calcium release-activated calcium channel protein 1; protein orai-1; transmembrane protein 142A; calcium release-activated calcium modulator 1
UniProt Protein Name	Calcium release-activated calcium channel protein 1
UniProt Gene Name	**ORAI1**
UniProt Synonym Gene Names	CRACM1; TMEM142A
UniProt Entry Name	CRCM1_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://www.aaabiotech.com/polyclonal/orai1-antibody-immunohistochemistry-western-blot-elisa/39351