

Datasheet for ABIN6990742
anti-ORAI2 antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	ORAI2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORAI2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	ORAI2 antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human ORAI2. The immunogen is located within the last 50 amino acids of ORAI2.
Isotype:	IgG
Specificity:	At least two isoforms of ORAI2 are known to exist, this antibody will detect both isoforms. ORAI antibody is predicted not to cross-react with ORAI1 or ORAI3.
Purification:	ORAI2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	ORAI2
Alternative Name:	ORAI2 (ORAI2 Products)

Target Details

Background:	ORAI2 Antibody: Antigen stimulation of immune cells triggers Ca ⁺⁺ entry through Ca ⁺⁺ release-activated Ca ⁺⁺ (CRAC) channels. ORAI2 is one of two mammalian homologs to ORAI1, a recently identified four-transmembrane spanning protein that is an essential component of CRAC. Like ORAI1, ORAI2 has been shown to function as a highly selective Ca ⁺⁺ plasma membrane channel that is gated through interactions with STIM1, the store-activated endoplasmic reticulum Ca ⁺⁺ sensor, although at a lesser efficacy than ORAI1.
Molecular Weight:	Predicted: 19, 28 kDa Observed: 29 kDa
Gene ID:	80228
UniProt:	Q96SN7

Application Details

Application Notes:	ORAI2 antibody can be used for detection of ORAI2 by Western blot at 1 - 4 µg/mL. Antibody can also be used for immunocytochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	ORAI2 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	ORAI2 antibody can be stored at 4°C for three months and -20°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.