

[Go to Product page](#)

Datasheet for ABIN6990753 **anti-ORAI3 antibody (C-Term)**

Overview

Quantity:	0.1 mg
Target:	ORAI3
Binding Specificity:	AA 200-250, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORAI3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	ORAI3 antibody was raised against a 19 amino acid synthetic peptide from near the carboxy terminus of human ORAI3. The immunogen is located within amino acids 200 - 250 of ORAI3.
Isotype:	IgG
Specificity:	ORAI3 antibody is predicted to have no cross-reactivity to ORAI1 or ORAI2.
Purification:	ORAI3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	ORAI3
Alternative Name:	ORAI3 (ORAI3 Products)
Background:	ORAI3 Antibody: Antigen stimulation of immune cells triggers Ca ⁺⁺ entry through Ca ⁺⁺ release-

Target Details

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.

Molecular Weight: Predicted: 32 kDa

Observed: 34 kDa

Gene ID: 93129

UniProt: [Q9BRQ5](#)

Application Details

Application Notes: ORAI3 antibody can be used for detection of ORAI3 by Western blot at 2 - 4 µg/mL. Antibody can also be used for immunocytochemistry starting at 5 µg/mL. For immunofluorescence start at 10 µg/mL.

Antibody validated: Western Blot in mouse samples, Immunocytochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: ORAI3 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

Handling

Storage Comment: ORAI3 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.