

[Go to Product page](#)

## Datasheet for ABIN6990743 **anti-ORAI3 antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	ORAI3
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORAI3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	ORAI3 antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human ORAI3. The immunogen is located within the first 50 amino acids of ORAI3.
Isotype:	IgG
Specificity:	This 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 ( <a href="#">ORAI3 Products</a> )

## Target Details

Background:	<p>Orai3 Antibody: Antigen stimulation of immune cells triggers Ca<sup>++</sup> entry through Ca<sup>++</sup> release-activated Ca<sup>++</sup> (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<sup>++</sup> plasma membrane channels gated through interactions with STIM1, the store-activated endoplasmic reticulum Ca<sup>++</sup> sensor. However, Orai3 channels failed to produce detectable Ca<sup>++</sup> 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<sup>+</sup> currents through Orai1, 2 and 3 channels were equally inhibited by extracellular Ca<sup>++</sup>, indicating that each have similar affinities for Ca<sup>++</sup> within the selectivity filter.</p>
Gene ID:	93129
UniProt:	<a href="#">Q9BRQ5</a>

## Application Details

Application Notes:	<p>Orai3 antibody can be used for detection of Orai3 by Western blot at 1 - 4 µg/mL. Antibody can also be used for immunocytochemistry starting at 10 µg/mL and Immunohistochemistry starting at 2 µg/mL</p> <p>Antibody validated: Western Blot in mouse samples, Immunohistochemistry in mouse samples and Immunocytochemistry in mouse samples. All other applications and species not yet tested.</p>
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
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.