Product Datasheet

ORAI2 Antibody

Catalog No: #24521

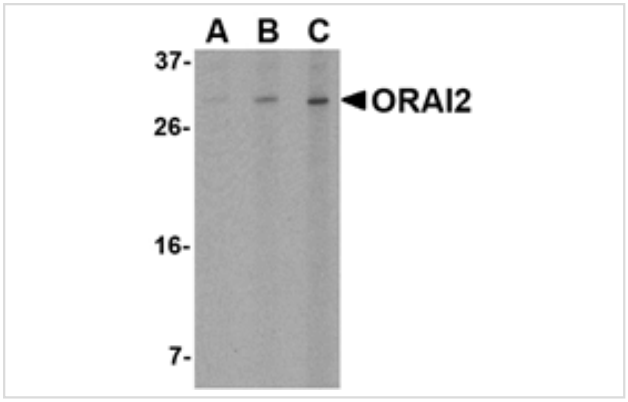
Package Size: #24521 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

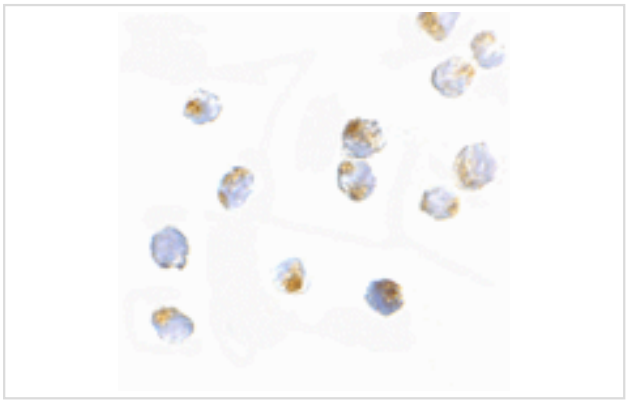
Description

Product Name	ORAI2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Human;Mouse
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide from near the carboxy terminus of human ORAI2.
Conjugates	Unconjugated
Target Name	ORAI2
Other Names	Transmembrane protein 142B, TMEM142B, Calcium release-activated calcium channel protein 2
Accession No.	Q96SN7
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°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



Western blot analysis of ORAI2 in Jurkat cell lysate with ORAI2 antibody at (A) 1, (B) 2 and (C) 4 ug/mL.



Immunocytochemistry of ORAI2 in Jurkat cells with ORAI2 antibody at 5 ug/mL.

Background

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. This antibody is predicted to have no cross-reactivity to ORAI1 or ORAI3.

Published Papers

el at., A Newly Established Cuproptosis-Related Gene Signature for Predicting Prognosis and Immune Infiltration in Uveal MelanomaInInt J Mol SciOn2023 Jul 12byWei Huang?1?2,?Fan Yang et al..PMID:?37511120, , (2023)

PMID:37511120

Note: This product is for in vitro research use only and is not intended for use in humans or animals.