Datasheet for ABIN500423

anti-ORAI2 antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	ORAI2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	ORAI2 antibody was raised against a 15 amino acid peptide from near the carboxy terminus of human ORAI2.
Isotype:	IgG
Specificity:	This antibody detects ORAI2 at C-term. It is predicted to have no cross-reactivity to ORAI1 or ORAI3.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	ORAI2
Alternative Name:	ORAI2 (ORAI2 Products)

Target Details

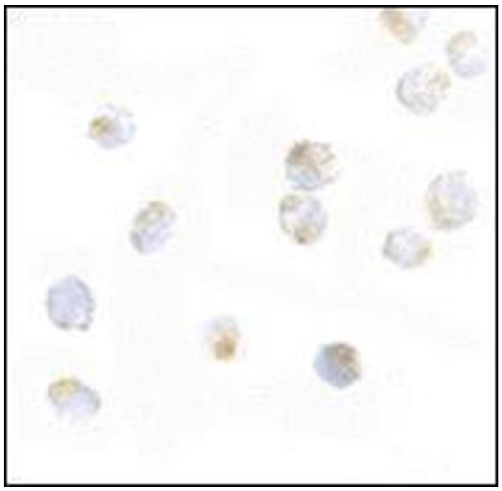
Background:	Antigen stimulation of immune cells triggers Ca++ entry through Ca++ release-activated Ca++ (CRAC) channels. ORAI2 is one of two mammalian homologs to ORAI1, a recently identified four-transmembrane spanning protein that is an essential component of CRAC. Like ORAI1, ORAI2 has been shown 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.Synonyms: C7orf19, CAP-binding protein complex-interacting protein 2, CBCIP2, Protein orai-2, TMEM142B, Transmembrane protein 142B
Gene ID:	80228
UniProt:	Q96SN7

Application Details

Application Notes:	ELISA. Western blot: 1 - 2 µg/mL. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

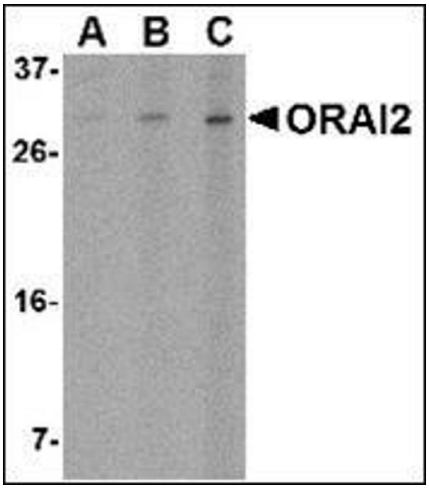
Handling

Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry of ORAI2 in Jurkat cells with this product at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of ORAI2 in Jurkat cell lysate with this product at (A) 1, (B) 2 and (C) 4 µg/ml.

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