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## Datasheet for ABIN1403314 **anti-ORAI2 antibody (Alexa Fluor 488)**

### Overview

Quantity:	100 µL
Target:	ORAI2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORAI2 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Orai2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	ORAI2
Alternative Name:	Orai2 ( <a href="#">ORAI2 Products</a> )
Background:	Synonyms: C7orf19, CAP binding protein complex interacting protein 2, CBCIP 2, CBCIP2, Chromosome 7 open reading frame 19, FLJ12474, FLJ14733, FLJ44818, H_NH0514P08.8, Orai 2, ORAI calcium release activated calcium modulator 2, Protein orai 2, TMEM 142B, TMEM142B, Transmembrane protein 142B.

## Target Details

Background: Orai2 is a 254 amino acid multi-pass membrane protein that belongs to the orai family of proteins. Localizing to the plasma membrane, Orai2 plays an important role in store-operated calcium (SOC) entry, a process involving  $\text{Ca}^{2+}$  influx and replenishment of  $\text{Ca}^{2+}$  stores formerly emptied through the action of inositol 1,4,5-trisphosphate production and other  $\text{Ca}^{2+}$  mobilizing agents. CRAC channels are responsible for mediating calcium influx in T-cells and play an important role in the immune response. Orai2 specifically increases the  $\text{Ca}^{2+}$ -selective current through coaction with the  $\text{Ca}^{2+}$  sensor Stim1.

Gene ID:	80228
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## Application Details

Application Notes:	IF(IHC-P) 1:50-200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	1 $\mu\text{g}/\mu\text{L}$
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Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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Preservative:	ProClin
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Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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Expiry Date:	12 months
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