



[Go to Product page](#)

Datasheet for ABIN1421188  
**anti-ORAI2 antibody (HRP)**

### Overview

Quantity:	100 µL
Target:	ORAI2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORAI2 antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (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 Ca<sup>2+</sup> influx and replenishment of Ca<sup>2+</sup> stores formerly emptied through the action of inositol 1,4,5-trisphosphate production and other Ca<sup>2+</sup> 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 Ca<sup>2+</sup>-selective current through coaction with the Ca<sup>2+</sup> sensor Stim1.

---

Gene ID: 80228

## Application Details

---

Application Notes: WB 1:300-5000  
IHC-P 1:200-400

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

---

Concentration: 1 µg/µL

---

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

---

Preservative: ProClin

---

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

---

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

---

Storage: -20 °C

---

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

---

Expiry Date: 12 months