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Datasheet for ABIN5008039

anti-ORAI2 antibody (AbBy Fluor® 680)

Overview

Quantity:	100 µL
Target:	ORAI2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORAI2 antibody is conjugated to AbBy Fluor® 680
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 (ORAI2 Products)
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 Ca²⁺ influx and replenishment of Ca²⁺ stores formerly emptied through the action of inositol 1,4,5-trisphosphate production and other Ca²⁺ 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 Ca²⁺-selective current through coaction with the Ca²⁺ sensor Stim1.

Gene ID: 80228

Application Details

Application Notes: IF(IHC-P) 1:50-200

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.

Storage: -20 °C

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

Expiry Date: 12 months