

## Rabbit ORAI3 Polyclonal Antibody | anti-ORAI3 antibody

ORAI3 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                             |
|-----------|--------|-------------------|------------------------------------------|
| AAA39823  | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Western Blot, ELISA |

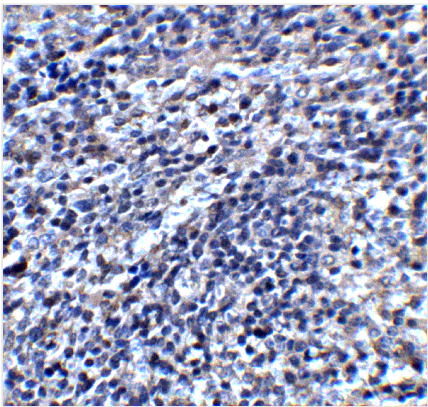
### PRODUCT SYNONYMS

ORAI3; Polyclonal Antibody; ORAI3 Antibody; TMEM142C; Protein orai-3; Transmembrane protein 142C; ORAI calcium release-activated calcium modulator 3; anti-ORAI3 antibody

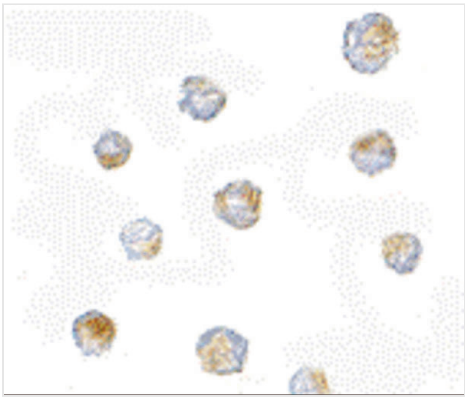
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                      |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                           |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                  |
| Isotype                                         | IgG                                                                                                                                                                                                                                                         |
| Specificity                                     | This antibody is predicted to have no cross-reactivity to ORAI1 or ORAI2.                                                                                                                                                                                   |
| Purity/Purification                             | ORAI3 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                     | Liquid                                                                                                                                                                                                                                                      |
| Concentration                                   | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                     |
| Sequence Length                                 | 295                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-ORAI3 antibody | ICC (Immunocytochemistry), WB (Western Blot), ELISA                                                                                                                                                                                                         |
| Conjugate                                       | Unconjugated                                                                                                                                                                                                                                                |
| Immunogen                                       | ORAI3 antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human ORAI3.                                                                                                                                            |
| Buffer                                          | ORAI3 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                         | ORAI3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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. |

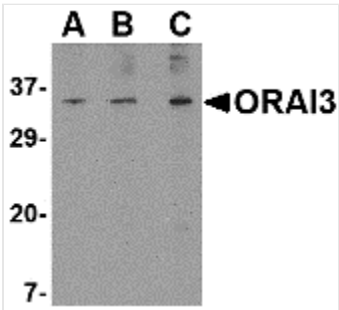
IMAGES



IHC (Immunohistochemistry)  
Immunohistochemistry of ORAI3 in mouse spleen tissue with ORAI3 antibody at 2 &#956;g/mL.



ICC (Immunocytochemistry)  
Immunocytochemistry of ORAI3 in A20 cells with ORAI3 antibody at 10 &#956;g/mL.



WB (Western Blot)  
Western blot analysis of ORAI3 in A20 cell lysate with ORAI3 antibody at (A) 1, (B) 2 and (C) 4 &#956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ORAI3 antibody

ORAI3 Antibody: Antigen stimulation of immune cells triggers Ca<sup>++</sup> entry through Ca<sup>++</sup> release-activated Ca<sup>++</sup> (CRAC) channels. ORAI3 is one of two mammalian homologs to ORAI1, a recently identified four-transmembrane spanning protein that is an essential component of CRAC. All three homologs have been shown to function as Ca<sup>++</sup> plasma membrane channels gated through interactions with STIM1, the store-activated endoplasmic reticulum Ca<sup>++</sup> sensor. However, ORAI3 channels failed to produce detectable Ca<sup>++</sup> selective currents in cells co-transfected with ORAI3 and STIM1, indicating that ORAI3 channels undergo a lesser degree of depotentiation than ORAI1 or ORAI2. Na<sup>+</sup> currents through ORAI1, 2 and 3 channels were equally inhibited by extracellular Ca<sup>++</sup>, indicating that each have similar affinities for Ca<sup>++</sup> within the selectivity filter.

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 74732916                                           |
| NCBI GeneID                      | 93129                                              |
| UniProt Accession #              | Q9BRQ5; Q96BI8                                     |
| Molecular Weight                 | 31,499 Da                                          |
| NCBI Official Full Name          | Protein orai-3                                     |
| NCBI Official Synonym Full Names | ORAI calcium release-activated calcium modulator 3 |
| NCBI Official Symbol             | ORAI3                                              |
| NCBI Official Synonym Symbols    | TMEM142C                                           |
| NCBI Protein Information         | protein orai-3; transmembrane protein 142C         |

|                            |                |
|----------------------------|----------------|
| UniProt Protein Name       | Protein orai-3 |
| UniProt Gene Name          | <b>ORAI3</b>   |
| UniProt Synonym Gene Names | TMEM142C       |
| UniProt Entry Name         | ORAI3_HUMAN    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/orai3-antibody-immunocytochemistry-western-blot-elisa/39823>