

Datasheet for ABIN1403318  
**anti-ORAI2 antibody (FITC)**



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## Overview

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                          |
| Target:      | ORAI2                                                                           |
| Reactivity:  | Human, Mouse, Rat                                                               |
| Host:        | Rabbit                                                                          |
| Clonality:   | Polyclonal                                                                      |
| Conjugate:   | This ORAI2 antibody is conjugated to FITC                                       |
| 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.

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|----------|-------|
| Gene ID: | 80228 |
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## Application Details

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

## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

|                |                             |
|----------------|-----------------------------|
| 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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|          |        |
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| Storage: | -20 °C |
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|                  |                                                                                   |
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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 |
|--------------|-----------|