

## ORAI1 Rabbit pAb

CatalogNo: YN6168

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 33kD (Calculated)

#### Isotype

- IgG

### | Recommended Dilution Ratios

WB 1:500-2000

### | Storage

#### Storage\*

-15°C to -25°C/1 year(Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

#### Clonality

Polyclonal

### | Immunogen Information

#### Immunogen

Synthesized peptide derived from human ORAI1

#### Specificity

This antibody detects endogenous levels of ORAI1 at Human, Mouse, Rat

### | Target Information

#### Gene name

ORAI1 CRACM1 TMEM142A

<b>Protein Name</b>	Calcium release-activated calcium channel protein 1 (Protein orai-1) (Transmembrane protein 142A)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">84876</a> ;	<a href="#">Q96D31</a> ;
	Mouse	<a href="#">109305</a> ;	<a href="#">Q8BWG9</a> ;
	Rat	<a href="#">304496</a> ;	<a href="#">Q5M848</a> ;
<b>Cellular Localization</b>	Cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein . Isoform beta is more mobile in the plasma membrane (PubMed:23307288). Colocalizes with STIM1 at the cell membrane (PubMed:27185316). .		
<b>Tissue specificity</b>	Expressed in naive CD4 and CD8 T cells (at protein level) (PubMed:26956484). Expressed at similar levels in naive and effector T helper cells (PubMed:20354224).		
<b>Function</b>	Ca(2+) release-activated Ca(2+) (CRAC) channel subunit which mediates Ca(2+) influx following depletion of intracellular Ca(2+) stores and channel activation by the Ca(2+) sensor, STIM1 . CRAC channels are the main pathway for Ca(2+) influx in T-cells and promote the immune response to pathogens by activating the transcription factor NFAT . Plays a prominent role in Ca(2+) influx at the basolateral membrane of mammary epithelial cells independently of the Ca(2+) content of endoplasmic reticulum or Golgi stores. May mediate transepithelial transport of large quantities of Ca(2+) for milk secretion.		

| Validation Data

| Contact information

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