

For Research Use Only

# ORAI1 Polyclonal antibody

Catalog Number: 28637-1-AP



## Basic Information

<b>Catalog Number:</b> 28637-1-AP	<b>GenBank Accession Number:</b> BC015369	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 84876	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96D31	
<b>Isotype:</b> IgG	<b>Full Name:</b> ORAI calcium release-activated calcium modulator 1	
<b>Immunogen Catalog Number:</b> AG29779	<b>Calculated MW:</b> 301 aa, 33 kDa	
	<b>Observed MW:</b> 32 kDa, 45-50 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, A375 cells
<b>Species Specificity:</b> Human	

## Background Information

Store-operated calcium channels (SOCs) play essential functions in various physiological processes. ORAI1 is a complex glycosylated protein, it exists in several molecular weight forms: a theoretical molecular weight of 32.7 kDa of the unmodified protein and two major glycosylated proteins of ~43 kDa and ~50 kDa (PMID: 22318387). Human patients with a severe combined immunodeficiency (SCID) syndrome possess point mutations in Orai1 gene.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

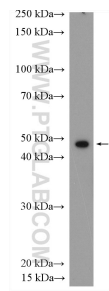
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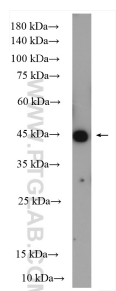
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## Selected Validation Data



A375 cells were subjected to SDS PAGE followed by western blot with 28637-1-AP (ORAI1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



A549 cells were subjected to SDS PAGE followed by western blot with 28637-1-AP (ORAI1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.