

For Research Use Only

# SMIM1 Polyclonal antibody

Catalog Number: 27849-1-AP



## Basic Information

<b>Catalog Number:</b> 27849-1-AP	<b>GenBank Accession Number:</b> BC146957	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 388588	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> hypothetical LOC388588	
<b>Isotype:</b> IgG	<b>Observed MW:</b> 9 kDa	
<b>Immunogen Catalog Number:</b> AG27028		

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, mouse kidney tissue
<b>Species Specificity:</b> Human, Mouse	

## Background Information

Small integral membrane protein 1(SMIM1) is a type II transmembrane phosphoprotein and displays the Vel blood group antigen at its carboxyl-terminus. SMIM1 is highly expressed in hematopoietic cells. It is associated with a variety of immune responses and plays an important role in RBC differentiation. SMIM1 can be used as a potential biomarker for the diagnosis of IDD (PMID: 30906890; 26452714).

## Storage

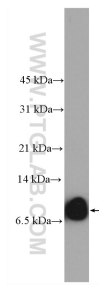
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

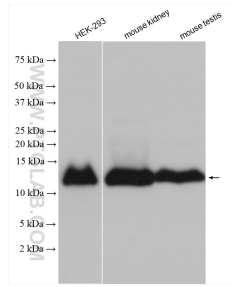
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 27849-1-AP (SMIM1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27849-1-AP (SMIM1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.