

For Research Use Only

# TSPAN9 Polyclonal antibody

Catalog Number: 21983-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 21983-1-AP	<b>GenBank Accession Number:</b> BC071881	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10867	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75954	
<b>Isotype:</b> IgG	<b>Full Name:</b> tetraspanin 9	
<b>Immunogen Catalog Number:</b> AG17048	<b>Calculated MW:</b> 239 aa, 27 kDa	
	<b>Observed MW:</b> 29-33 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, ELISA	<b>Positive Controls:</b> WB : mouse peripheral blood leukocyte, mouse spleen tissue, rat spleen tissue IP : mouse spleen tissue,
<b>Cited Applications:</b> WB, FC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat, mouse	

## Background Information

TSPAN9 is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Tetraspanins have been involved in diverse processes such as cell activation and proliferation, adhesion and motility, differentiation, and cancer. TSPAN9 is relatively highly expressed in the megakaryocyte/platelet lineage and has a role in regulating platelet function in concert with other platelet tetraspanins and their associated proteins. TSPAN9 has been identified as a glycoprotein (PMID: 18795891). This polyclonal antibody detects endogenous TSPAN9 at a band of 29-33 kDa, which is larger than the calculated molecular weight of TSPAN9 (27 kDa), probably due to glycosylation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Mengyan Hu	37402721	Nat Commun	WB,FC
Tiemei Li	37246283	Adv Sci (Weinh)	WB

## Storage

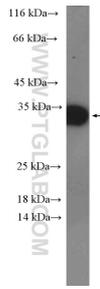
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

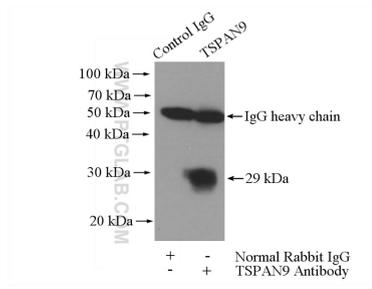
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



mouse peripheral blood leukocyte were subjected to SDS PAGE followed by western blot with 21983-1-AP (TSPAN9 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-TSPAN9 (IP:21983-1-AP, 4ug; Detection:21983-1-AP 1:500) with mouse spleen tissue lysate 4800ug.