

For Research Use Only

# TREM2 Polyclonal antibody

Catalog Number: 27599-1-AP **9 Publications**



## Basic Information

<b>Catalog Number:</b> 27599-1-AP	<b>GenBank Accession Number:</b> BC032362	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54209	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NZC2	
<b>Isotype:</b> IgG	<b>Full Name:</b> triggering receptor expressed on myeloid cells 2	
<b>Immunogen Catalog Number:</b> AG26319	<b>Calculated MW:</b> 222 aa, 25 kDa	
	<b>Observed MW:</b> 26-32 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : THP-1 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	

## Background Information

TREM2 (triggering receptor expressed on myeloid cells 2) is a cell surface receptor belongs to TREM family that is expressed on osteoclast, dendritic cells, macrophages, nature killers, neutrophils and microglia (PMID: 19302484). TREM2 is localized predominantly in the Golgi complex, but also shuttles to and from the cell surface in endocytic and exocytic vesicles (PMID: 16675145). TREM2 associates with DAP12 to initiate the intracellular signalling cascade via an immunoreceptor tyrosine-based activation motif (ITAM) domain and tyrosine-kinases (PMID: 23977213).

## Notable Publications

Author	Pubmed ID	Journal	Application
Wen-Jin Chen	35017463	Cell Death Dis	IF
Hui Qiu	39075517	J Transl Med	WB
Yan Cui	38849370	Cell Death Dis	

## Storage

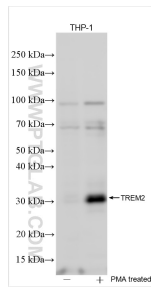
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

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## Selected Validation Data



Non-treated and PMA treated THP-1 cells were subjected to SDS PAGE followed by western blot with 27599-1-AP (TREM2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.