

For Research Use Only

# TREM2 Polyclonal antibody

Catalog Number: 27599-1-AP

16 Publications



## Basic Information

Catalog Number:

27599-1-AP

Size:

150ul, Concentration: 550 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26319

GenBank Accession Number:

BC032362

GeneID (NCBI):

54209

UNIPROT ID:

Q9NZC2

Full Name:

triggering receptor expressed on myeloid cells 2

Calculated MW:

222 aa, 25 kDa

Observed MW:

26-32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : THP-1 cells,

## 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
Hongyan Li	39711286	Adv Healthc Mater	WB
Yuchen Yao	39758888	Front Neurosci	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

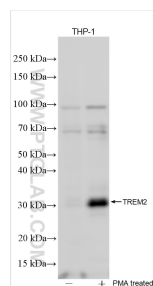
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## Selected Validation Data



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.