

For Research Use Only

TREM2 Polyclonal antibody

Catalog Number: 27599-1-AP **6 Publications**



Basic Information

Catalog Number: 27599-1-AP	GenBank Accession Number: BC032362	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 54209	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9NZC2	
Isotype: IgG	Full Name: triggering receptor expressed on myeloid cells 2	
Immunogen Catalog Number: AG26319	Calculated MW: 222 aa, 25 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : MKN-45 cells, THP-1 cells
Cited Applications: WB, IHC, IF	
Species Specificity: Human, mouse	
Cited Species: 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
Nannan Zhang	38453910	Cell Death Dis	WB, IF
Jingjing Shi	37923002	Brain Res	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

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

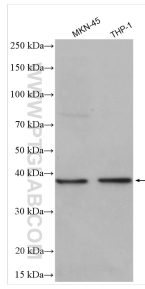
T: 4006900926

E: Proteintech-CN@ptglab.com

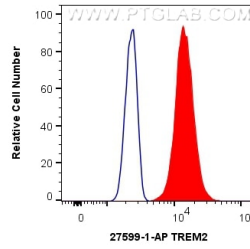
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates 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.



1×10^6 BV-2 cells were intracellularly stained with 0.4 ug Anti-Human TREM2 (27599-1-AP) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).