

For Research Use Only

TREM2 Polyclonal antibody

Catalog Number: 13483-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number: 13483-1-AP	GenBank Accession Number: BC032362	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 54209	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: triggering receptor expressed on myeloid cells 2	
Isotype: IgG	Calculated MW: 222 aa, 25 kDa	
Immunogen Catalog Number: AG4299		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse brain tissue,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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). TREM2 has a calculated molecular mass of ~25kDa, but apparent molecular mass of ~40kDa (PMID: 24078628). In addition, TREM2 has a soluble form termed as sTREM-2 with molecular weights ranging between about 24kDa and 40kDa (PMID: 18790823). Loss-of-function mutations in either TREM2 or DAP12 can cause Nasu-Hakola disease (PMID: 19302484).

Notable Publications

Author	Pubmed ID	Journal	Application
Yunwei Lu	34516974	Chem Biol Interact	WB,IF
Yujie Li	32952550	Neural Plast	IF,WB
Liyuan Tao	35643125	Toxicol Appl Pharmacol	WB,IF

Storage

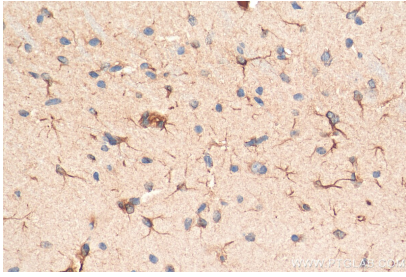
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

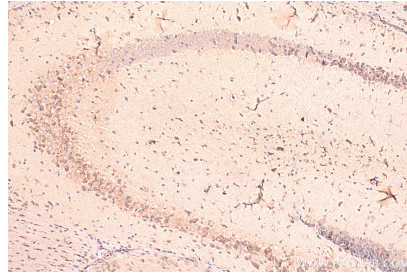
For technical support and original validation data for this product please contact:
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13483-1-AP (TREM2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13483-1-AP (TREM2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).