

Rabbit TREM2 Polyclonal Antibody | anti-TREM2 antibody

TREM2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72836	Rabbit	Reactivity assumed based on 100% sequence homology: Human	Immunocytochemistry, Western Blot

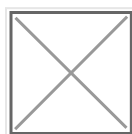
PRODUCT SYNONYMS

TREM2; Polyclonal Antibody; anti-TREM2 antibody

PRODUCT SPECIFICATIONS

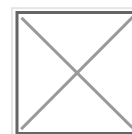
Host	Rabbit
Reactivity	Reactivity assumed based on 100% sequence homology: Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified from Pooled Serum
Form/Format	100ul in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100ug BSA per ml and 50% glycerol.
Applicable Applications for anti-TREM2 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Species Positively Tested	Mouse
Immunogen Species	Human
Immunogen Information	Recombinant human TREM2 fusion protein expressed in and purified from E Coli
Antigen	Recombinant human TREM2 protein expressed in and purified from E Coli.
Preparation and Storage	Storage at -20 degree C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20 degree C. Shipping: Blue Ice Country of Origin: USA

IMAGES



Application Data

DYKDDDDK-tagged TREM2 transfected COS cells showing TREM2 (Cat.#AAA72836, 1:150) staining in red and DYKDDDDK staining in green causing positive transfected cells to appear yellow. DNA is stained blue with DAPI.



WB (Western Blot)

Western blot of mouse whole brain lysate showing specific immunolabeling of the ~28 kDa TREM2 protein.

ADDITIONAL INFORMATION

Related Product Information for anti-TREM2 antibody	Triggering receptor expressed on myeloid cells 2, TREM2, is a type I transmembrane innate immune receptor predominantly expressed by microglia in the central nervous system and is genetically linked to the risk for Alzheimer's disease (Schmid, C.D., et al., 2002). TREM2 has been shown to be a specific marker for alternatively activated microglia known as M2 cells (Cherry, J.D. et al., 2014). TREM2 binds to its adaptor, DNAX-activating protein (DAP12) on the surface of microglia to enact innate immune responses and downstream cellular responses or signaling pathways (Jay,T.R, et al., 2017). TREM2 has important roles in microglial phagocytosis of apoptotic neurons, damaged myelin, and amyloid plaques (Gratuze, M., et al., 2018). In early brain development, TREM2 is essential for synaptic pruning (Filipello, F. et al., 2018).
Product Categories/Family for anti-TREM2 antibody	Cell Markers; Glial and Schwann Cell Markers; Neurodegenerative Disease

NCBI AND UNIPROT INFORMATION

NCBI GI #	9507203
NCBI GeneID	54209
NCBI Accession #	NP_061838
NCBI GenBank Nucleotide #	NM_018965.3
UniProt Accession #	Q9NZC2; Q8N5H8; Q8WYN6
Molecular Weight	24,669 Da
NCBI Official Full Name	triggering receptor expressed on myeloid cells 2 isoform 1
NCBI Official Synonym Full Names	triggering receptor expressed on myeloid cells 2
NCBI Official Symbol	TREM2
NCBI Official Synonym Symbols	TREM-2; Trem2a; Trem2b; Trem2c
NCBI Protein Information	triggering receptor expressed on myeloid cells 2
UniProt Protein Name	Triggering receptor expressed on myeloid cells 2
UniProt Gene Name	TREM2
UniProt Synonym Gene Names	TREM-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/trem2-antibody-immunocytochemistry-western-blot-elisa/72836>