10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TREM1 Rabbit pAb

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Catalog # AP94021

Specification

TREM1 Rabbit pAb - Product Information

Application	**WB**
Primary Accession	Q9JKE2
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**25409**

TREM1 Rabbit pAb - Additional Information

Gene ID 58217

Other Names
Triggering receptor expressed on myeloid cells 1, TREM-1, CD354, Trem1

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

TREM1 Rabbit pAb - Protein Information

Name Trem1

Function
Cell surface receptor that plays important roles in innate and adaptive immunity by amplifying inflammatory responses. Upon activation by various ligands such as PGLYRP1, HMGB1 or HSP70, multimerizes and forms a complex with transmembrane adapter TYROBP/DAP12. In turn, initiates a SYK-mediated cascade of tyrosine phosphorylation, activating multiple downstream mediators such as BTK, MAPK1, MAPK3 or phospholipase C-gamma. This cascade promotes the neutrophil- and macrophage-mediated release of pro-inflammatory cytokines and/or chemokines, as well as their migration and thereby amplifies inflammatory responses that are triggered by bacterial and fungal infections (PubMed:23241959, PubMed:27328755). By also promoting the amplification of inflammatory signals that are initially triggered by Toll-like receptor (TLR) and NOD-like receptor engagement, plays a major role in the pathophysiology of acute and chronic inflammatory diseases of different etiologies including septic shock and atherosclerosis (By similarity).

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q9NP99}; Single-pass type I membrane protein

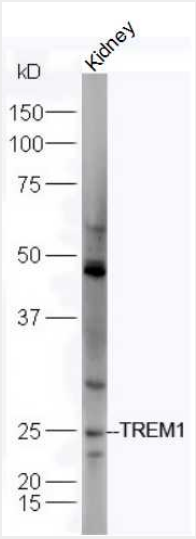
{ECO:0000250|UniProtKB:Q9NP99} Note=Recruited to lipid rafts when activated {ECO:0000250|UniProtKB:Q9NP99}

TREM1 Rabbit pAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TREM1 Rabbit pAb - Images



Sample: kidney (Mouse) Lysate at 40 ug Primary: Anti-TREM1 (AP94021) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kD Observed band size: 25 kD

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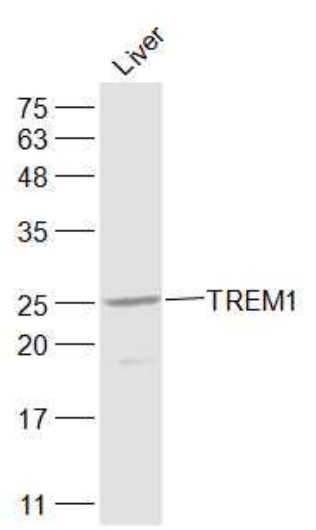
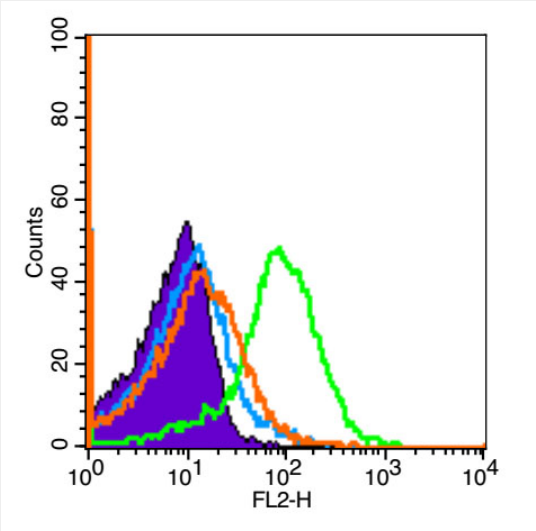


Sample: Liver (Rat) Lysate at 40 ug Primary: Anti-TREM1 (AP94021) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kD Observed band size: 25 kD



Blank control (black line): Mouse spleen(Black). Primary Antibody (green line): Rabbit Anti-TREM1 antibody (AP94021) Dilution: 1 µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1 µg /test. Protocol The cells were fixed with 4% paraformaldehyde for 10 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature The secondary antibody used for 40 min at room temperature. Acquisition of 10,000 events was performed.

TREM1 Rabbit pAb - Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.