

Polyclonal Antibody to Triggering Receptor Expressed On Myeloid Cells 1 (TREM1)

Triggering Receptor Expressed On Myeloid Cells 1
Catalog # AP74572

Product Information

Application	WB
Primary Accession	Q6TYI6
Reactivity	Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26428

Additional Information

Gene ID	396601
Other Names	CD354; Triggering Receptor Expressed On Monocytes-1
Target/Specificity	Sus scrofa; Porcine (Pig)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL; Immunohistochemistry: 5-20 μ g/mL; Immunocytochemistry: 5-20 μ g/mL; Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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. 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.

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}

Images

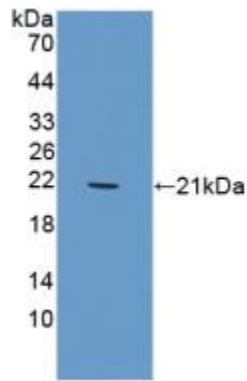


Figure. Western Blot; Sample: Recombinant TREM1, Porcine.

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