

**TREM-1 Polyclonal Antibody**

<b>Catalog No :</b>	YT5133
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	TREM-1
<b>Gene Name :</b>	TREM1
<b>Protein Name :</b>	Triggering receptor expressed on myeloid cells 1
<b>Human Gene Id :</b>	54210
<b>Human Swiss Prot No :</b>	Q9NP99
<b>Mouse Gene Id :</b>	58217
<b>Mouse Swiss Prot No :</b>	Q9JKE2
<b>Immunogen :</b>	Synthesized peptide derived from TREM-1 . at AA range: 40-120
<b>Specificity :</b>	TREM-1 Polyclonal Antibody detects endogenous levels of TREM-1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:100-500;IF ICC 1:100-500;ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 26kD

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**Background :** triggering receptor expressed on myeloid cells 1 (TREM1) Homo sapiens This gene encodes a receptor belonging to the Ig superfamily that is expressed on myeloid cells. This protein amplifies neutrophil and monocyte-mediated inflammatory responses triggered by bacterial and fungal infections by stimulating release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011],

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**Function :** function:Stimulates neutrophil and monocyte-mediated inflammatory responses. Triggers release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Amplifier of inflammatory responses that are triggered by bacterial and fungal infections and is a crucial mediator of septic shock.,induction:Up-regulated by bacteria, fungi and lipopolysaccharides (LPS).,PTM:Glycosylated.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Interacts with TYROBP/DAP12.,tissue specificity:Highly expressed in adult liver, lung and spleen than in corresponding fetal tissue. Also expressed in the lymph node, placenta, spinal cord and heart tissues. Expression is more elevated in peripheral blood leukocytes than in the bone marrow and in normal cells than malignant cells. Expressed at low levels in the early development of the hema

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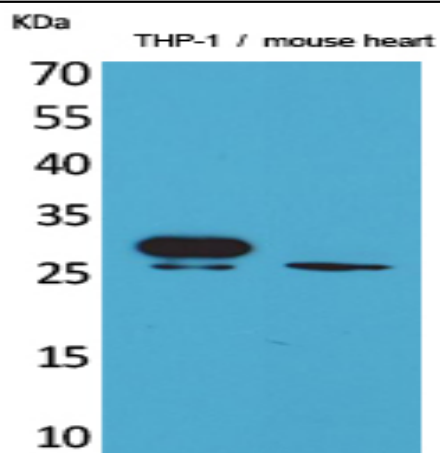
**Subcellular Location :** [Isoform 1]: Cell membrane ; Single-pass type I membrane protein . Recruited to lipid rafts when activated. .; [Isoform 2]: Secreted .

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**Expression :** Mostly expressed by immune cells of the myeloid lineage, such as monocytes, macrophages, neutrophils and dendritic cells (PubMed:10799849). Expression is associated with a mature stage of myeloid development (PubMed:11922939). Highly expressed in adult liver, lung and spleen than in corresponding fetal tissue. Also expressed in the lymph node, placenta, spinal cord and heart tissues. Isoform 2 was detected in the lung, liver and mature monocytes.

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## Products Images



Western Blot analysis of THP-1, mouse heart cells using TREM-1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100