

## TCAM2 Polyclonal Antibody

<b>Catalog No :</b>	YN2167
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	TCAM2
<b>Fields :</b>	>>NF-kappa B signaling pathway;>>Necroptosis;>>Toll-like receptor signaling pathway;>>Pertussis;>>Hepatitis B;>>PD-L1 expression and PD-1 checkpoint pathway in cancer;>>Lipid and atherosclerosis
<b>Gene Name :</b>	TICAM2 TIRAP3 TIRP TRAM
<b>Protein Name :</b>	TIR domain-containing adapter molecule 2 (TICAM-2) (Putative NF-kappa-B-activating protein 502) (TRIF-related adapter molecule) (Toll-like receptor adaptor protein 3) (Toll/interleukin-1 receptor doma
<b>Human Gene Id :</b>	100302736
<b>Human Swiss Prot No :</b>	Q86XR7
<b>Mouse Swiss Prot No :</b>	Q8BJQ4
<b>Immunogen :</b>	Synthesized peptide derived from part region of human protein
<b>Specificity :</b>	TCAM2 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 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

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 25kD

**Cell Pathway :** Toll\_Like;

**Background :** TIRP is a Toll/interleukin-1 receptor (IL1R; MIM 147810) (TIR) domain-containing adaptor protein involved in Toll receptor signaling (see TLR4; MIM 603030).[supplied by OMIM, Apr 2004],

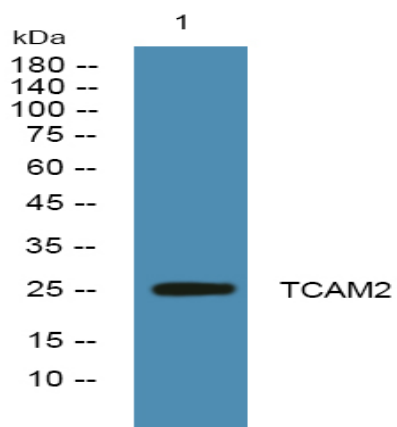
**Function :** domain:The TIR domain mediates the interaction with TRAF6.,function:Functions in LPS-TLR4 signaling to regulate the MYD88-independent pathway during the innate immune response to LPS. Also involved in IL1-triggered NF-kappa-B activation, functioning upstream of IRAK1, IRAK2, TRAF6, and IKBKB. Physically bridges TLR4 and TICAM1 and functionally transmits LPS-TLR4 signal to TICAM1.,PTM:Myristoylated. Required for membrane association which is critical for its ability to initiate efficient signaling.,PTM:Phosphorylated by PKCE in response to LPS. Phosphorylation is essential for its function. It is depleted from the membrane upon phosphorylation.,similarity:Belongs to the EMP24/GP25L family.,similarity:Contains 1 GOLD domain.,similarity:Contains 1 TIR domain.,subcellular location:Localized to the plasma membrane as a result of myristoylation. Phosphorylation on Ser-16 leads to its depletion

**Subcellular Location :** [Isoform 1]: Cytoplasm . Golgi apparatus. Cell membrane . Endoplasmic reticulum. Early endosome membrane. Late endosome membrane. Cell projection, phagocytic cup . Localized to the plasma membrane as a result of myristoylation. Phosphorylation on Ser-16 leads to its depletion from the membrane. Upon LPS stimulation colocalizes with isoform 2 in late endosomes.; [Isoform 2]: Endoplasmic reticulum. Early endosome membrane. Late endosome membrane. Translocates to late endosomes upon LPS stimulation where it colocalizes with isoform 1.

**Expression :** Expressed in spleen, prostate, testis, uterus, small intestine, colon, peripheral blood leukocytes, heart, placenta, lung, liver, skeletal muscle, and pancreas Isoform 2 is ubiquitously expressed (at lower levels than isoform 1).

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## Products Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night