

TCAM2 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15166**Specification**

TCAM2 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q86XR7
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25kDa KDa

TCAM2 Antibody - N-terminal region - Additional Information**Gene ID** 100302736;353376**Alias Symbol** **TICAM2, TIRAP3, TIRP, TRAM,**
Other Names

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 domain-containing protein, MyD88-4, TICAM2, TIRAP3, TIRP, TRAM

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-TCAM2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

TCAM2 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

TCAM2 Antibody - N-terminal region - Protein Information**Name** TICAM2**Synonyms** TIRAP3, TIRP, TRAM**Function**

Functions as a sorting adapter in different signaling pathways to facilitate downstream signaling leading to type I interferon induction (PubMed:16603631, PubMed:16757566, PubMed:25385819, PubMed:25825441). In TLR4

signaling, physically bridges TLR4 and TICAM1 and functionally transmits signal to TICAM1 in early endosomes after endocytosis of TLR4. In TLR2 signaling, physically bridges TLR2 and MYD88 and is required for the TLR2- dependent movement of MYD88 to endosomes following ligand engagement (PubMed:25385819). Involved in IL-18 signaling and is proposed to function as a sorting adapter for MYD88 in IL-18 signaling during adaptive immune response (PubMed:22685567). Forms a complex with RAB11FIP2 that is recruited to the phagosomes to promote the activation of the actin-regulatory GTPases RAC1 and CDC42 and subsequent phagocytosis of Gram-negative bacteria (PubMed:30883606).

Cellular Location

[Isoform 1]: Cytoplasm. Golgi apparatus. Cell membrane. Endoplasmic reticulum. Early endosome membrane. Late endosome membrane. Cell projection, phagocytic cup. Note=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

Tissue Location

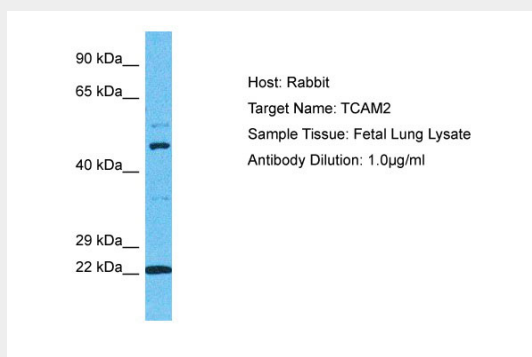
Expressed in spleen, prostate, testis, uterus, small intestine, colon, peripheral blood leukocytes, heart, placenta, lung, liver, skeletal muscle, and pancreas Isoform 2 is ubiquitously expressed (at lower levels than isoform 1)

TCAM2 Antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TCAM2 Antibody - N-terminal region - Images



Host: Rabbit
Target Name: TCAM2
Sample Tissue: Fetal Lung lysates
Antibody Dilution: 1.0µg/ml

TCAM2 Antibody - N-terminal region - References

Bin L.-H.,et al.J. Biol. Chem. 278:24526-24532(2003).
Oshiumi H.,et al.J. Biol. Chem. 278:49751-49762(2003).
Fitzgerald K.A.,et al.J. Exp. Med. 198:1043-1055(2003).
Fitzgerald K.A.,et al.J. Exp. Med. 198:1451-1451(2003).
Nakajima T.,et al.Immunogenetics 60:727-735(2008).