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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 &mu, l 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 colcoalizes with isoform 2 in late endosomes

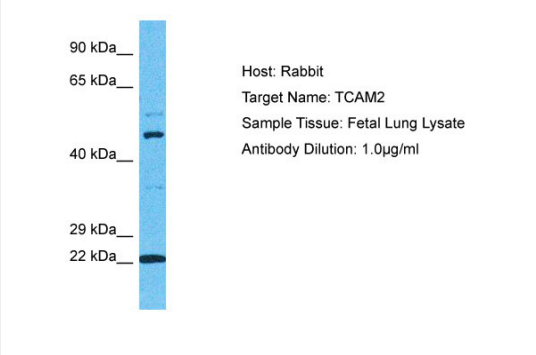
Tissue Location
Expressed in spleen, prostate, testis, uterus, small intestine, colon, peripheral blood leukocytes, heart, placenta, lung, liver, skeletal muscle, and pancreas Isoform 2 is ubiquitously expressed (at lower levels than isoform 1)

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 Cytomety
- Cell Culture

TCAM2 Antibody - N-terminal region - Images



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

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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).