

# Goat Anti-TICAM1 Antibody

Peptide-affinity purified goat antibody

Catalog # AF4336a

## Product Information

---

<b>Application</b>	IHC, FC, Pep-ELISA
<b>Primary Accession</b>	<a href="#">Q8IUC6</a>
<b>Other Accession</b>	<a href="#">NP_891549.1</a>
<b>Reactivity</b>	Human
<b>Host</b>	Goat
<b>Clonality</b>	Polyclonal
<b>Clone Names</b>	TICAM1
<b>Calculated MW</b>	76422

## Additional Information

---

<b>Gene ID</b>	148022
<b>Other Names</b>	TICAM1, toll-like receptor adaptor molecule 1, MGC35334, PRVTIRB, TICAM-1, TRIF, TIR domain containing adaptor inducing interferon-beta
<b>Dilution</b>	IHC~~1:100~500 FC~~1:10~50 Pep-ELISA~~N/A
<b>Format</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Immunogen</b>	Peptide with sequence C-HARADEHIALRVREK, from the internal region of the protein sequence according to NP_891549.1.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Goat Anti-TICAM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	TICAM1
<b>Synonyms</b>	PRVTIRB, TRIF
<b>Function</b>	Involved in innate immunity against invading pathogens. Adapter used by TLR3, TLR4 (through TICAM2) and TLR5 to mediate NF- kappa-B and interferon-regulatory factor (IRF) activation, and to induce apoptosis (PubMed: <a href="#">12471095</a> , PubMed: <a href="#">12539043</a> , PubMed: <a href="#">14739303</a> , PubMed: <a href="#">28747347</a> , PubMed: <a href="#">35215908</a> ). Ligand binding to these receptors

results in TRIF recruitment through its TIR domain (PubMed:[12471095](#), PubMed:[12539043](#), PubMed:[14739303](#)). Distinct protein-interaction motifs allow recruitment of the effector proteins TBK1, TRAF6 and RIPK1, which in turn, lead to the activation of transcription factors IRF3 and IRF7, NF-kappa-B and FADD respectively (PubMed:[12471095](#), PubMed:[12539043](#), PubMed:[14739303](#)). Phosphorylation by TBK1 on the pLxIS motif leads to recruitment and subsequent activation of the transcription factor IRF3 to induce expression of type I interferon and exert a potent immunity against invading pathogens (PubMed:[25636800](#)). Component of a multi-helicase-TICAM1 complex that acts as a cytoplasmic sensor of viral double-stranded RNA (dsRNA) and plays a role in the activation of a cascade of antiviral responses including the induction of pro- inflammatory cytokines (By similarity).

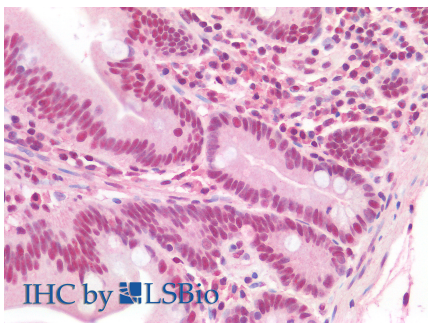
## Cellular Location

Cytoplasmic vesicle, autophagosome. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q80UF7}. Mitochondrion {ECO:0000250|UniProtKB:Q80UF7}. Note=Colocalizes with UBQLN1 in the autophagosome (PubMed:21695056). Colocalizes in the cytosol with DDX1, DDX21 and DHX36. Colocalizes in the mitochondria with DDX1 and poly(I:C) RNA ligand. The multi-helicase-TICAM1 complex may translocate to the mitochondria upon poly(I:C) RNA ligand stimulation (By similarity). {ECO:0000250|UniProtKB:Q80UF7, ECO:0000269|PubMed:21695056}

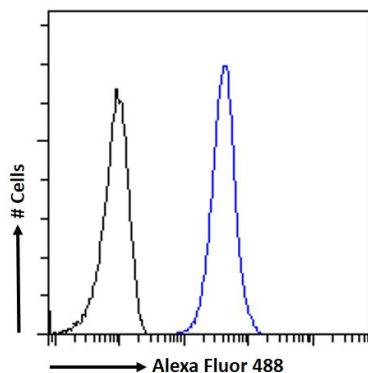
## Tissue Location

Ubiquitously expressed but with higher levels in liver.

## Images



AF4336a (2.5 µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.



AF4336a Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) fo

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.