

# TRIF Rabbit mAb

Catalog # AP76200

## Product Information

---

Application	WB, IP
Primary Accession	<a href="#">Q8IUC6</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	76422

## Additional Information

---

Gene ID	148022
Other Names	TICAM1
Dilution	WB~~1/500-1/1000 IP~~1/20
Format	Liquid

## Protein Information

---

Name	TICAM1
Synonyms	PRVTIRB, TRIF
Function	<p>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:<a href="#">12471095</a>, PubMed:<a href="#">12539043</a>, PubMed:<a href="#">14739303</a>). 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:<a href="#">12471095</a>, PubMed:<a href="#">12539043</a>, PubMed:<a href="#">14739303</a>). 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:<a href="#">25636800</a>). 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).</p>
Cellular Location	Cytoplasmic vesicle, autophagosome. Cytoplasm, cytosol

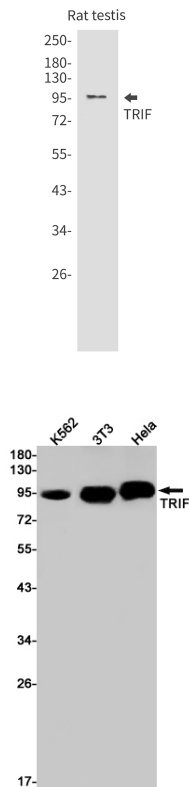
{ECO:0000250|UniProtKB:Q80UF7}. Mitochondrion  
{ECO:0000250|UniProtKB:Q80UF7}. Note=Colocalizes with UBQLN1 in the autophagosome (PubMed:21695056). Colocalizes in the cytosol with DDX1, DDX21 and DHX36. Colocalizes in the mitochondria with DDX1 and poly(I:C) RNA ligand. The multi-helicase-TICAM1 complex 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

---



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