

Rabbit anti-Human TICAM1 Polyclonal Antibody | anti-TICAM1 antibody

TICAM1 Antibody

CATALOG # AAA168841	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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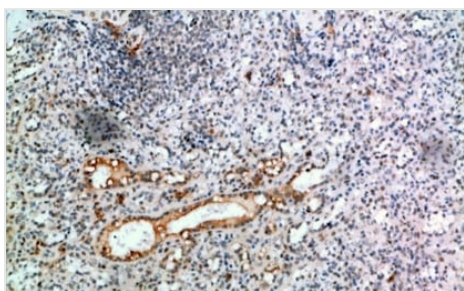
PRODUCT SYNONYMS

TICAM1; Polyclonal Antibody; TICAM1 Antibody; TRIF; PRVTIRB; TICAM-1; anti-TICAM1 antibody

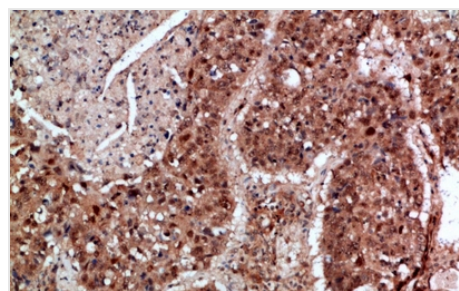
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	356
Applicable Applications for anti-TICAM1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human TICAM1
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-130621
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

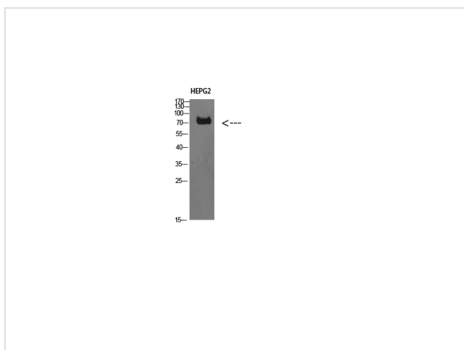
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human spleen tissue using TRIF Polyclonal Antibody at dilution of 1:200.


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TRIF Polyclonal Antibody at dilution of 1:200.



WB (Western Blot)

Western Blot analysis of HepG2 cells using TRIF Polyclonal Antibody at dilution of 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-TICAM1 antibody

Members of the Toll-like receptor (TLR) family, named for the closely related Toll receptor in *Drosophila*, play a pivotal role in innate immune responses (1-3). TLRs recognize conserved motifs found in various pathogens and mediate defense responses. Triggering of the TLR pathway leads to the activation of NF-kappaB and subsequent regulation of immune and inflammatory genes. The TLRs and members of the IL-1 receptor family share a conserved stretch of approximately 200 amino acids known as the TIR domain. Upon activation, TLRs associate with a number of cytoplasmic adaptor proteins containing TIR domains including MyD88 (myeloid differentiation factor), MAL/TIRAP (MyD88-adaptor-like/TIR-associated protein), TRIF (Toll-receptor-associated activator of interferon), and TRAM (Toll-receptor-associated molecule). This association leads to the recruitment and activation of IRAK1 and IRAK4, which form a complex with TRAF6 to activate TAK1 and IKK. Activation of IKK leads to the degradation of I-kappaB that normally maintains NF-kappaB inactivity by sequestering it in the cytoplasm. TRIF (also termed TICAM-1) is a TIR-domain adaptor protein described to activate NF-kappaB, IRF3 and trigger IFN-beta production (4, 5). Studies using dominant negative forms of TRIF and siRNA targeting TRIF show that TRIF functions downstream of both TLR3 and TLR4 in response to dsRNA and LPS respectively (4-6). TRIF recruits TRAF6-TAK1-TAB2 to the receptor complex which leads to NF-kappaB activation (7). In addition, TRIF can trigger signaling of that lead to the induction of apoptosis (8).

NCBI AND UNIPROT INFORMATION

NCBI GI #	33874778
NCBI GeneID	148022
Molecular Weight	76,422 Da
NCBI Official Full Name	TICAM1 protein, partial
NCBI Official Synonym Full Names	toll-like receptor adaptor molecule 1
NCBI Official Symbol	TICAM1
NCBI Official Synonym Symbols	TRIF; IIAE6; MyD88-3; PRVTIRB; TICAM-1
NCBI Protein Information	TIR domain-containing adapter molecule 1; TIR domain containing adaptor inducing interferon-beta; TIR domain-containing adapter protein inducing IFN-beta; proline-rich, vinculin and TIR domain-containing protein B; putative NF-kappa-B-activating protein 502H; toll-interleukin-1 receptor domain-containing adapter protein inducing interferon beta
UniProt Protein Name	TIR domain-containing adapter molecule 1
UniProt Gene Name	TICAM1
UniProt Synonym Gene Names	PRVTIRB; TRIF; TICAM-1; MyD88-3; TIR domain-containing adapter protein inducing IFN-beta
UniProt Entry Name	TCAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

