

Rabbit TNF-R1 Polyclonal Antibody | anti-TNF-R1 antibody

TNF-R1 Antibody

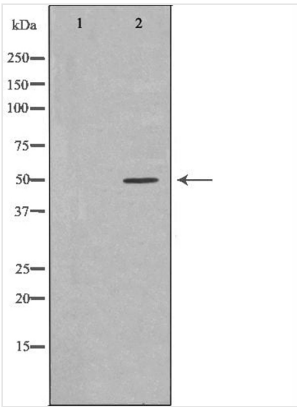
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326216	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TNF-R1; Polyclonal Antibody; TNF-R1 Antibody; CD120a; FPF; MGC19588; p55; p55-R; p60; TBP1; TBPI; TNF R; TNF R55; TNF-R1; TNFAR; TNFR-I; TNFR1; TNFR55; TNFR60; TNFRI; TNFRSF1a; TNR1A_HUMAN; Tumor necrosis factor receptor 1; Tumor necrosis factor receptor superfamily; member 1A; Tumor necrosis factor receptor type 1; Tumor necrosis factor receptor type I; Tumor necrosis factor-binding protein 1; anti-TNF-R1 antibody

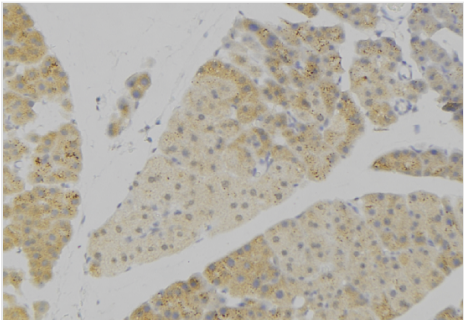
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TNF-R1 antibody detects endogenous levels of total TNF-R1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	455
Applicable Applications for anti-TNF-R1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TNF-R1
Subcellular Location	Cell Membrane. Golgi Apparatus Membrane. Secreted. A secreted form is produced through proteolytic processing and secreted. Lacks a golgi-retention motif, is not membrane bound and therefore is secreted.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



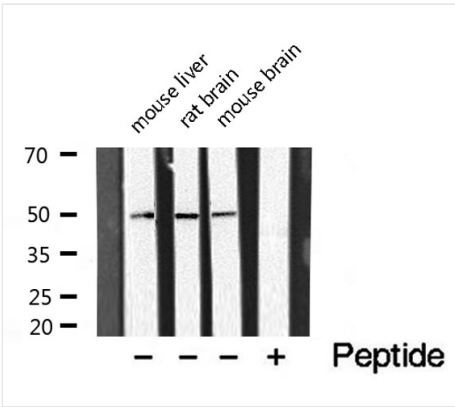
WB (Western Blot)

Western blot analysis of extracts of HeLa Cell, using TNFR1 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326216 at 1/100 staining Human pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of various tissue sample, using TNF-R1 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TNF-R1 antibody	Description: TNF-alpha is an important cytokine produced by numerous cell types including neutrophils, activated lymphocytes, macrophages and NK cells. It plays a critical role in inflammatory responses and in apoptosis (1). TNF-alpha exists as a membrane-anchored and soluble form, both of which show biological activity. Response to TNF-alpha is mediated through two receptors, TNF-R1, which is widely expressed, and TNF-R2, which is expressed mainly in immune and endothelial cells (2). Antagonists to TNF-alpha have been validated as therapeutic targets for rheumatoid arthritis and other immune disorders (3). The two receptors for TNF-alpha, TNF-R1 (55 kDa) and TNF-R2 (75 kDa) can mediate distinct cellular responses (4, 5). In most cases cytotoxicity elicited by TNF has been reported to act through TNF-R1 (6, 7). Cytotoxicity is mediated by a death domain with the intracellular region of the receptor that binds to the death domain adaptor protein TRADD and triggers the activation of caspases (8). Soluble forms of both receptors have also been characterized which can bind TNF-alpha and may play an important role in immune disorders (9, 10). Function: Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase. Subunit Structure: Binding of TNF to the extracellular domain leads to homotrimerization. The aggregated death domains provide a novel molecular interface that interacts specifically with the death domain of TRADD. Various TRADD-interacting proteins such as TRAFs, RIPK1 and possibly FADD, are recruited to the complex by their association with TRADD. This complex activates at least two distinct signaling cascades, apoptosis and NF-kappa-B signaling. Interacts with BAG4, BABAM2, FEM1B, GRB2, SQSTM1 and TRPC4AP. Interacts directly with NOL3 (via CARD domain); inhibits TNF-signaling pathway (By similarity). Post-translational Modifications: The soluble form is produced from the membrane form by proteolytic processing. Similarity: The domain that induces A-SMASE is probably identical to the death domain. The N-SMASE activation domain (NSD) is both necessary and sufficient for activation of N-SMASE. Both the cytoplasmic membrane-proximal region and the C-terminal region containing the death domain are involved in the interaction with TRPC4AP.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507575
NCBI GeneID	7132
NCBI Accession #	NP_001056.1
NCBI GenBank Nucleotide #	NM_001065.3
UniProt Accession #	P19438; Q9UCA4; A8K4X3; B2RDE4; B3KPQ1; B4DQB7; B4E309; B5M0B5; D3DUR1
Molecular Weight	Observed: 50 kDa Predicted: 51 kDa
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 1A isoform 1
NCBI Official Synonym Full Names	TNF receptor superfamily member 1A
NCBI Official Symbol	TNFRSF1A
NCBI Official Synonym Symbols	FPF; p55; p60; TBP1; TNF-R; TNFAR; TNFR1; p55-R; CD120a; TNFR55; TNFR60; TNF-R-I; TNF-R55
NCBI Protein Information	tumor necrosis factor receptor superfamily member 1A
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 1A
UniProt Gene Name	TNFRSF1A
UniProt Synonym Gene Names	TNFAR; TNFR1; TNF-R1; TNF-R-I; TNFR-I; TBPI

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tnf-r1-antibody-immunohistochemistry-western-blot-elisa/326216>