Rabbit TNF Receptor I/TNFRSF1A Polyclonal Antibody | anti-TNFRSF1A antibody

Anti-TNF Receptor I/TNFRSF1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124897	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

TNF Receptor I/TNFRSF1A; Polyclonal Antibody; Anti-TNF Receptor I/TNFRSF1A Antibody; Tumor necrosis factor receptor superfamily member 1A; Tumor necrosis factor receptor 1; TNF-R1; Tumor necrosis factor receptor type I; TNF-RI; TNFR-I; p55; p60; CD120a; membrane form; Tumor necrosis factor-binding protein 1; TBPI; TNFRSF1A; TNFAR; TNFR1; TNF receptor superfamily member 1A; anti-TNFRSF1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized; Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg NaN_3.
Sequence Length	347
Applicable Applications for anti-TNFRSF1A antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E. coli-derived human TNF Receptor I recombinant protein (Position: I22-T211). Human TNF Receptor I shares 70.5% and 69.3% amino acid (aa) sequence identity with mouse and rat TNF Receptor I, respectively.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	It is recommended to use an Enhanced Chemiluminescent Kit with anti-Rabbit IgG (please inquire) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (please inquire) for IHC-P, IHC-F and ICC.
Preparation and Storage	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for 6 months. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohiostchemistry)

IHC analysis of TNF Receptor I using anti-TNF Receptor I antibody.TNF Receptor I was detected in paraffin-embedded section of mouse liver tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TNF Receptor I antibody.TNF Receptor I was detected in paraffin-embedded section of mouse liver tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TNF Receptor I antibody.TNF Receptor I was detected in paraffin-embedded section of mouse lung tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TNF Receptor I antibody.Overlay histogram showing U937 cells stained with AAA124897 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TNF Receptor I Antibody for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG (5-10ug/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Western blot analysis of TNF Receptor I using anti-TNF Receptor I antibody.Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human Hela whole cell lysate,Lane 2: human K562 whole cell lysate,Lane 3: human Caco-2 whole cell lysate,Lane 4: rat liver tissue lysates,Lane 5: mouse small intestine tissue lysates,Lane 6: mouse liver tissue lysates,Lane 7: mouse HEPA1-6 whole cell lysate.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TNF Receptor I antigen affinity purified polyclonal antibody at 0.5 ug/ml overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TNF Receptor I at approximately 50KD. The expected band size for TNF Receptor I is at 50KD.

ADDITIONAL INFORMATION

Related Product Information for anti-TNFRSF1A antibody	Background: Tumor necrosis factor receptor superfamily member 1A (TNFRSF1A), also known as TNFR1, is a protein that in humans is encoded by the TNFRSF1A gene. The protein encoded by this gene is a member of the Tumor necrosis factor receptor superfamily, which also contains TNFRSF1B. The TNFR1 gene is mapped to 12pter-cen. It encodes a protein of 455 amino acids. And this receptor can activate the transcription factor NF-kappaB, mediate apoptosis, and function as a regulator of inflammation.
References	1. Baker E, Chen LZ, Smith CA, Callen DF, Goodwin R, Sutherland GR (Nov 1991). "Chromosomal location of the human tumor necrosis factor receptor genes". Cytogenet Cell Genet 57 (2-3): 117-8. 2. Schall TJ, Lewis M, Koller KJ, Lee A, Rice GC, Wong GH, Gatanaga T, Granger GA, Lentz R, Raab H, et al. (Jun 1990). "Molecular cloning and expression of a receptor for human tumor necrosis factor". Cell 61 (2): 361-70.

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
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-RI; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/tnf-receptor-i-tnfrsf1a-antibody-flow-cytometry-immunocytochemistry-immunohistochemistry-western-blot-elisa/124897