

Rabbit TNFSF18/Gitrl Polyclonal Antibody | anti-TNFSF18 antibody

Anti-TNFSF18/Gitrl Picoband Antibody

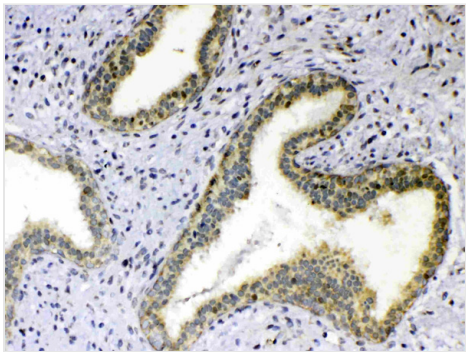
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124721	Rabbit	Human No cross reactivity with other proteins.	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

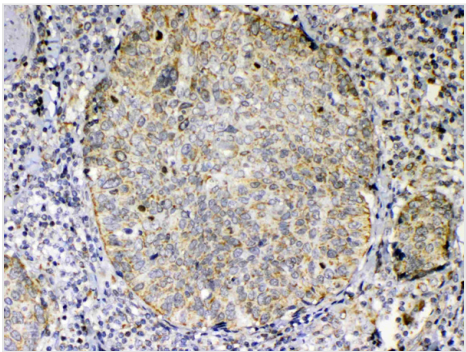
TNFSF18/Gitrl; Polyclonal Antibody; Anti-TNFSF18/Gitrl Picoband Antibody; Tumor necrosis factor ligand superfamily member 18; Activation-inducible TNF-related ligand; AITRL; Glucocorticoid-induced TNF-related ligand; hGITRL; TNFSF18; GITRL; TL6; UNQ149/PRO175; anti-TNFSF18 antibody

PRODUCT SPECIFICATIONS

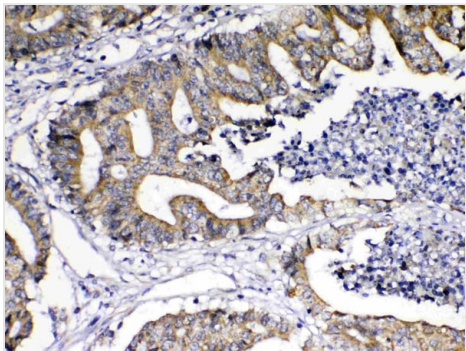
Host	Rabbit
Reactivity	Human No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	199
Applicable Applications for anti-TNFSF18 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	E Coli-derived human TNFSF18 recombinant protein (Position: F70-S199).
Subcellular Localization	Cell membrane
Tissue Specificity	Expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



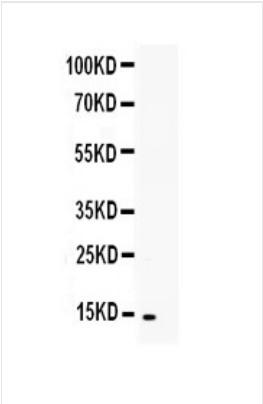
IHC (Immunohistochemistry)
Figure 4. IHC analysis of TNFSF18 using anti-TNFSF18 antibody (AAA124721).TNFSF18 was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TNFSF18 Antibody (AAA124721) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemisry)
Figure 3. IHC analysis of TNFSF18 using anti-TNFSF18 antibody (AAA124721).TNFSF18 was detected in paraffin-embedded section of human lung cancer 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-TNFSF18 Antibody (AAA124721) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of TNFSF18 using anti-TNFSF18 antibody (AAA124721).TNFSF18 was detected in paraffin-embedded section of human colon cancer 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-TNFSF18 Antibody (AAA124721) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)
Figure 1. Western blot analysis of TNFSF18 using anti-TNFSF18 antibody (AAA124721).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours.Lane 1: recombinant human TNFSF18 protein 1ng.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-TNFSF18 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 TNFSF18 at approximately 15KD. The expected band size for TNFSF18 is at 15KD.

ADDITIONAL INFORMATION

Related Product Information for anti-TNFSF18 antibody

Description: Tumor necrosis factor ligand superfamily member 18, also known as AITRL or GITRL, is a protein that in humans is encoded by the TNFSF18 gene. The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor(TNF) ligand family. It is mapped to 1q25.1. TNFSF18 is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells. TNFSF18-dependent modulation of tryptophan catabolism may represent an important mechanism of action of glucocorticoids, both physiologically and therapeutically.

Protein Function: Cytokine that binds to TNFRSF18/AITR/GITR. Regulates T- cell responses. Can function as costimulator and lower the threshold for T-cell activation and T-cell proliferation. Important for interactions between activated T-lymphocytes and endothelial cells. Mediates activation of NF-kappa-B. Triggers increased phosphorylation of STAT1 and up-regulates expression of VCAM1 and ICAM1 (PubMed: 23892569). Promotes leukocyte adhesion to endothelial cells (PubMed: 23892569). Regulates migration of monocytes from the splenic reservoir to sites of inflammation (By similarity).

Product Categories/Family for anti-TNFSF18 antibody	Immunology; Innate Immunity; Cytokines; Necrosis Factors; Immunology; TNF Superfamily; Tags & Cell Markers; Cell Type Markers; epi/endo-thelial; Signal Transduction; Growth Factors/Hormones; TNF; Cancer; Growth Factors; Cardiovascular; Vasculature; Endoth
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157419142
NCBI GeneID	8995
NCBI Accession #	NP_005083.2
NCBI GenBank Nucleotide #	NM_005092.3
UniProt Accession #	Q9UNG2; O95852; Q6ISV1; A9IQG8
Molecular Weight	22,724 Da
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 18
NCBI Official Synonym Full Names	TNF superfamily member 18
NCBI Official Symbol	TNFSF18
NCBI Official Synonym Symbols	TL6; AITRL; GITRL; TNLG2A; hGITRL
NCBI Protein Information	tumor necrosis factor ligand superfamily member 18
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 18
UniProt Gene Name	TNFSF18
UniProt Synonym Gene Names	AITRL; GITRL; TL6; AITRL; hGITRL

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/tnfsf18-gitrl-antibody-western-blot-immunohistochemistry-elisa/124721>