

Anti-TNFRSF18 Picoband Antibody
Catalog # ABO13004**Specification**

Anti-TNFRSF18 Picoband Antibody - Product Information

Application	WB
Primary Accession	Q9Y5U5
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 18(TNFRSF18) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-TNFRSF18 Picoband Antibody - Additional Information

Gene ID 8784

Other Names

Tumor necrosis factor receptor superfamily member 18, Activation-inducible TNFR family receptor, Glucocorticoid-induced TNFR-related protein, CD357, TNFRSF18, AITR, GTR

Calculated MW

26000 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human

Subcellular Localization

Isoform 1: Cell membrane; Single-pass type I membrane protein.

Tissue Specificity

Expressed in lymph node, peripheral blood leukocytes and weakly in spleen.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

E. coli-derived human TNFRSF18 recombinant protein (Position: L178-V241). Human TNFRSF18 shares 76.2% amino acid (aa) sequence identity with mouse TNFRSF18.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

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 a longer time. Avoid repeated freezing and thawing.

Anti-TNFRSF18 Picoband Antibody - Protein Information

Name TNFRSF18

Synonyms AITR, GITR

Function

Receptor for TNFSF18. Seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. Mediated NF-kappa-B activation via the TRAF2/NIK pathway.

Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein

Tissue Location

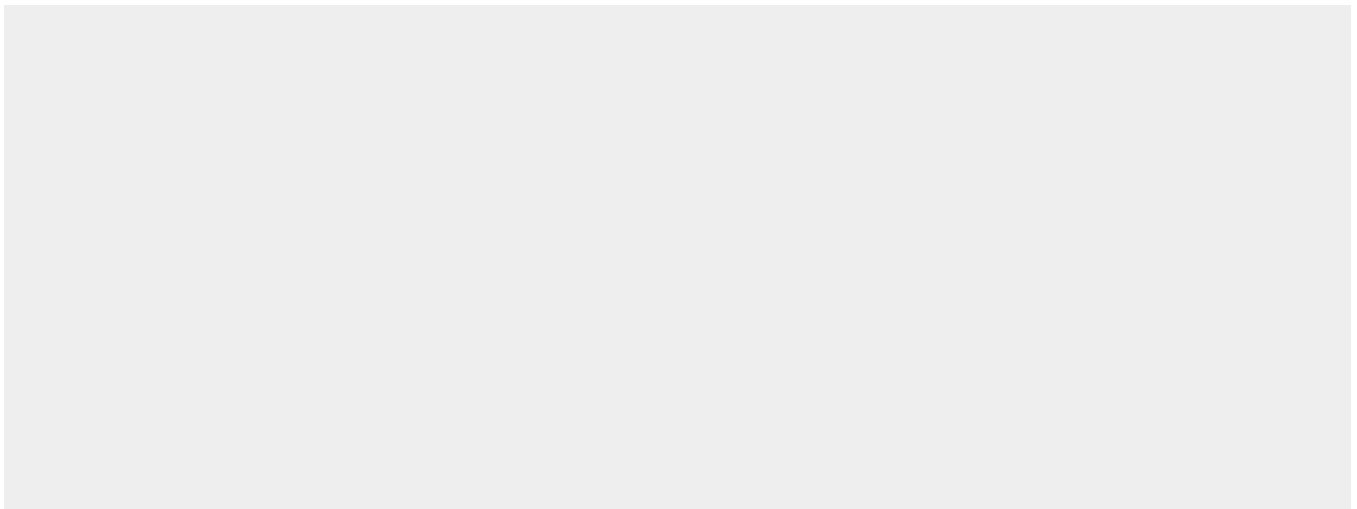
Expressed in lymph node, peripheral blood leukocytes and weakly in spleen

Anti-TNFRSF18 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-TNFRSF18 Picoband Antibody - Images



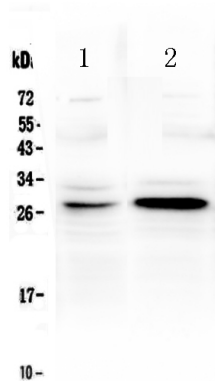


Figure 1. Western blot analysis of TNFRSF18 using anti-TNFRSF18 antibody (ABO13004).

Anti-TNFRSF18 Picoband Antibody - Background

Tumor necrosis factor receptor superfamily member 18 (TNFRSF18), also called GITR or AITR is a protein that in humans is encoded by the TNFRSF18 gene. It is mapped to 1p36.33. This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.