

Anti-TNFRSF1A Picoband Antibody

Catalog # ABO10050

Specification

Anti-TNFRSF1A Picoband Antibody - Product Information

ApplicationWBPrimary AccessionP19438HostRabbitReactivityHuman, Mouse, RatClonalityPolyclonalFormatLyophilizedDescriptionRabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member1A(TNFRSF1A) detection. Tested with WB in Human; Mouse; Rat.

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

Anti-TNFRSF1A Picoband Antibody - Additional Information

Gene ID 7132

Other Names

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, Tumor necrosis factor receptor superfamily member 1A, membrane form, Tumor necrosis factor-binding protein 1, TBPI, TNFRSF1A, TNFAR, TNFR1

Calculated MW 50495 MW KDa

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

Subcellular Localization

Cell membrane ; Single-pass type I membrane protein . Golgi apparatus membrane ; Single- pass type I membrane protein . Secreted . A secreted form is produced through proteolytic processing.

Protein Name Tumor necrosis factor receptor superfamily member 1A

Contents

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

Immunogen

E.coli-derived human TNFRSF1A recombinant protein (Position: F89-N145). Human TNFRSF1A shares 67.3% and 69.1% amino acid (aa) sequence identity with mouse and rat TNFRSF1A, respectively.



Purification Immunogen affinity purified.

Cross Reactivity No cross reactivity with other proteins.

Storage

At -20°C for one year. After r°Constitution, 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-TNFRSF1A Picoband Antibody - Protein Information

Name TNFRSF1A

Synonyms TNFAR, TNFR1

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.

Cellular Location

Cell membrane; Single-pass type I membrane protein Golgi apparatus membrane; Single-pass type I membrane protein. Secreted. Note=A secreted form is produced through proteolytic processing

Anti-TNFRSF1A Picoband Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-TNFRSF1A Picoband Antibody - Images





Figure 1. Western blot analysis of TNFRSF1A using anti- TNFRSF1A antibody (ABO10050). 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: rat gaster tissue lysates, Lane 2: mouse brain tissue lysates. 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- TNFRSF1A antigen affinity purified polyclonal antibody (Catalog # ABO10050) at 0.5 Î¹/₄g/mL overnight at 4°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 TNFRSF1A at approximately 60KD. The expected band size for TNFRSF1A is at 50KD.

Anti-TNFRSF1A Picoband 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- $\hat{I}^{\Omega}B$, mediate apoptosis, and function as a regulator of inflammation.