

TNFRSF10A Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13702b**Specification**

TNFRSF10A Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O00220
Other Accession	NP_003835.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50089
Antigen Region	418-446

TNFRSF10A Antibody (C-term) - Additional Information**Gene ID** 8797**Other Names**

Tumor necrosis factor receptor superfamily member 10A, Death receptor 4, TNF-related apoptosis-inducing ligand receptor 1, TRAIL receptor 1, TRAIL-R1, CD261, TNFRSF10A, APO2, DR4, TRAILR1

Target/Specificity

This TNFRSF10A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 418-446 amino acids from the C-terminal region of human TNFRSF10A.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TNFRSF10A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TNFRSF10A Antibody (C-term) - Protein Information**Name** TNFRSF10A

Synonyms APO2, DR4, TRAILR1

Function Receptor for the cytotoxic ligand TNFSF10/TRAIL (PubMed:[26457518](#), PubMed:[38532423](#)). 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 (PubMed:[19090789](#)). Promotes the activation of NF-kappa-B (PubMed:[9430227](#)).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Membrane raft. Cytoplasm, cytosol. Note=Palmitoylation is required for association with membranes.

Tissue Location

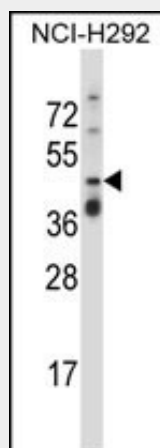
Widely expressed. High levels are found in spleen, peripheral blood leukocytes, small intestine and thymus, but also in K- 562 erythroleukemia cells, MCF-7 breast carcinoma cells and activated T-cells

TNFRSF10A Antibody (C-term) - 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](#)

TNFRSF10A Antibody (C-term) - Images



TNFRSF10A Antibody (C-term) (Cat. #AP13702b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the TNFRSF10A antibody detected the TNFRSF10A protein (arrow).

TNFRSF10A Antibody (C-term) - Background

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is activated by tumor

necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL), and thus transduces cell death signal and induces cell apoptosis. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein.

TNFRSF10A Antibody (C-term) - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Wei, W., et al. Mol. Immunol. 47(15):2475-2484(2010)
Park, S.W., et al. APMIS 118(8):615-616(2010)
Tian, L., et al. J. Huazhong Univ. Sci. Technol. Med. Sci. 30(3):408-411(2010)

TNFRSF10A Antibody (C-term) - Citations

- [Synergistic effect of TRAIL and irradiation in elimination of glioblastoma stem-like cells.](#)