

TNFRSF21 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17293c

Specification

TNFRSF21 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O75509
Other Accession	D3ZF92 , O9EPU5 , NP_055267.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	71845
Antigen Region	356-385

TNFRSF21 Antibody (Center) - Additional Information

Gene ID 27242

Other Names

Tumor necrosis factor receptor superfamily member 21, Death receptor 6, CD358, TNFRSF21, DR6

Target/Specificity

This TNFRSF21 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 356-385 amino acids from the Central region of human TNFRSF21.

Dilution

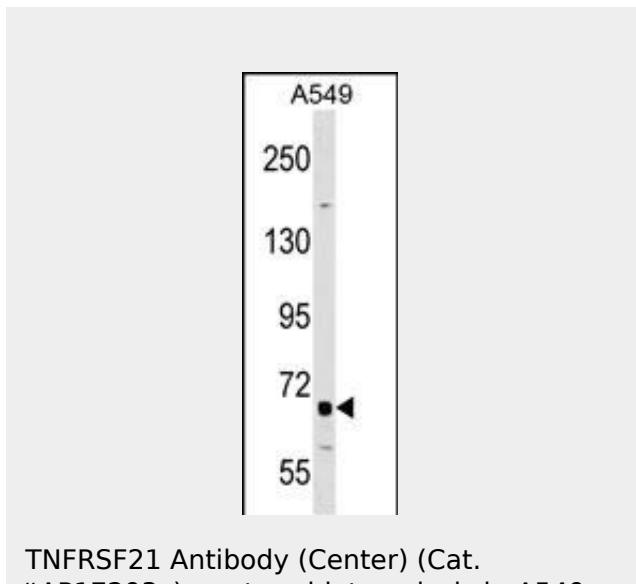
WB~~1:1000

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.



TNFRSF21 Antibody (Center) (Cat. #AP17293c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the TNFRSF21 antibody detected the TNFRSF21 protein (arrow).

TNFRSF21 Antibody (Center) - Background

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB and MAPK8/JNK, and induce cell apoptosis. Through its death domain, this receptor interacts with TRADD protein, which is known to serve as an adaptor that mediates signal transduction of TNF-receptors. Knockout studies in mice suggested that this gene plays a role in T-helper cell activation, and may be involved in inflammation and immune regulation.

TNFRSF21 Antibody (Center) - References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Klima, M., et al. Biochim. Biophys. Acta 1793(10):1579-1587(2009)
Nikolaev, A., et al. Nature

Precautions

TNFRSF21 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

457(7232):981-989(2009)

Otowa, T., et al. *J. Hum. Genet.*

54(2):122-126(2009)

DeRosa, D.C., et al. *Cancer Immunol. Immunother.* 57(6):777-787(2008)

TNFRSF21 Antibody (Center) - Protein Information

Name TNFRSF21

Synonyms DR6

Function

Promotes apoptosis, possibly via a pathway that involves the activation of NF-kappa-B. Can also promote apoptosis mediated by BAX and by the release of cytochrome c from the mitochondria into the cytoplasm. Plays a role in neuronal apoptosis, including apoptosis in response to amyloid peptides derived from APP, and is required for both normal cell body death and axonal pruning. Trophic-factor deprivation triggers the cleavage of surface APP by beta-secretase to release sAPP- beta which is further cleaved to release an N-terminal fragment of APP (N-APP). N-APP binds TNFRSF21; this triggers caspase activation and degeneration of both neuronal cell bodies (via caspase-3) and axons (via caspase-6). Negatively regulates oligodendrocyte survival, maturation and myelination. Plays a role in signaling cascades triggered by stimulation of T-cell receptors, in the adaptive immune response and in the regulation of T-cell differentiation and proliferation. Negatively regulates T-cell responses and the release of cytokines such as IL4, IL5, IL10, IL13 and IFNG by Th2 cells. Negatively regulates the production of IgG, IgM and IgM in response to antigens. May inhibit the activation of JNK in response to T-cell stimulation.

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Detected in fetal spinal cord and in brain neurons, with higher levels in brain from Alzheimer disease patients (at protein level). Highly expressed in heart, brain, placenta, pancreas, lymph node, thymus and prostate. Detected at lower levels in lung, skeletal muscle, kidney, testis, uterus,

small intestine, colon, spleen, bone marrow and fetal liver. Very low levels were found in adult liver and peripheral blood leukocytes.

TNFRSF21 Antibody (Center) - 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](#)