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TNFRSF10D Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9526c

Product Information

Application	WB, FC, E
Primary Accession	Q9UBN6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24080
Calculated MW	41849
Antigen Region	252-278

Additional Information

Gene ID	8793
Other Names	Tumor necrosis factor receptor superfamily member 10D, Decoy receptor 2, DcR2, TNF-related apoptosis-inducing ligand receptor 4, TRAIL receptor 4, TRAIL-R4, TRAIL receptor with a truncated death domain, CD264, TNFRSF10D, DCR2, TRAILR4, TRUNDD
Target/Specificity	This TNFRSF10D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 252-278 amino acids from the Central region of human TNFRSF10D.
Dilution	WB~~1:1000 FC~~1:10~50 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	TNFRSF10D Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TNFRSF10D (HGNC:11907)
Function	Receptor for the cytotoxic ligand TRAIL (PubMed: 9430226). Contains a truncated death domain and hence is not capable of inducing apoptosis but

	protects against TRAIL-mediated apoptosis (PubMed:9537512). Reports are contradictory with regards to its ability to induce the NF-kappa-B pathway. According to PubMed:9382840, it cannot but according to PubMed:9430226, it can induce the NF-kappa-B pathway (PubMed:9382840, PubMed:9430226).
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Widely expressed, in particular in fetal kidney, lung and liver, and in adult testis and liver. Also expressed in peripheral blood leukocytes, colon and small intestine, ovary, prostate, thymus, spleen, pancreas, kidney, lung, placenta and heart

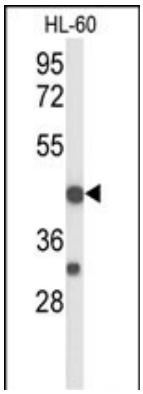
Background

TNFRSF is a member of the TNF-receptor superfamily. This receptor contains an extracellular TRAIL-binding domain, a transmembrane domain, and a truncated cytoplamic death domain. This receptor does not induce apoptosis, and has been shown to play an inhibitory role in TRAIL-induced cell apoptosis.

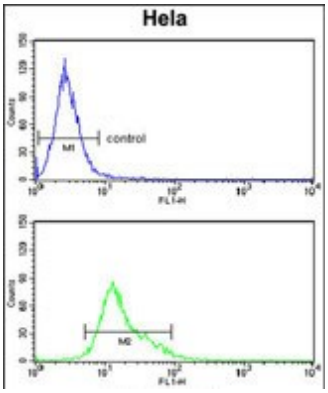
References

Davila, S., et al. Genes Immun. (2010) In press :
Pei, G.T., et al. Biochem. Biophys. Res. Commun. 391(2):1274-1279(2010)
Lucas, H., et al. J. Dent. Res. 89(1):29-33(2010)
Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009)
Chen, B., et al. Spine 34 (19), E677-E681 (2009) :

Images



Western blot analysis of TNFRSF10D Antibody (Center) (Cat. #AP9526c) in HL-60 cell line lysates (35ug/lane). TNFRSF10D (arrow) was detected using the purified Pab.



TNFRSF10D Antibody (Center) (Cat. #AP9526c) flow cytometry analysis of Hela cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.