For Research Use Only

DR5-Specific Polyclonal antibody

Catalog Number:15497-1-AP 18 Publications

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Basic Information

Catalog Number:
15497-1-AP

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_003842

GeneID (NCBI):
8795

UNIPROT ID:
O14763

Full Name:
tumor necrosis factor receptor superfamily, member 10b

Calculated MW:
48 kDa

Observed MW:
58-60 kDa, 45-50 kDa, 32 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:200-1:1000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

Positive Controls:

WB : HL-60 cells, PC-3 cells

Background Information

TNFRSF10B, also known as CD262, DR5, TRAILR2, TRICK2 and KILLER, is a widely expressed single-pass type I membrane protein belonging to the tumour necrosis factor receptor superfamily (TNFRSF). It is a receptor for TNF-related apoptosis-inducing ligand (TRAIL), which is a member of the tumor necrosis factor (TNF) family of cytokines and induces apoptosis in a wide variety of cells (PMID: 9311998). TNFRSF10B contains two extracellular cysteine-rich repeats, typical for TNF receptor (TNFR) family members, and a cytoplasmic death domain (DD), through which TNFRSF10B is capable to transmit the apoptotic signal (PMID: 9311998; 20531300). In PDAC cells, especially Panc89 cells, it expresses additionally to the approximately 48 and 40 kDa forms of DR5, a faster migrating variant of DR5 of about 32 kDa(PMID:20354842). The TRAIL receptor 2 (death receptor 5, or DR5) forms receptor dimers in a ligand-dependent manner, and these receptor dimers exist within high molecular weight networks(Dr. Jonathan N. Sachs,2012).

Notable Publications

Author	Pubmed ID	Journal	Application
Lu-Ning Li	30223653	Mol Pharm	WB
Juan Yang	27780136	Biomed Pharmacother	WB
Xiao-Jie Chen	36256535	J Nat Prod	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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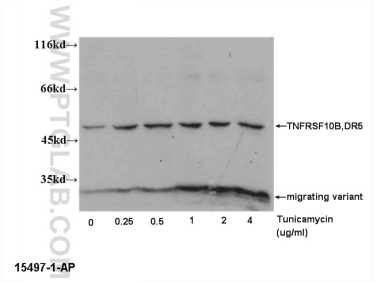
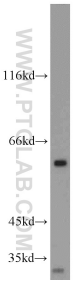
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



WB result of 15497-1-AP (TNFRSF10B, DR5 antibody) with PC-3 cell, untreated or treated with tunicamysin.



HL-60 cells were subjected to SDS PAGE followed by western blot with 15497-1-AP (TNFRSF10B-Specific antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.