

For Research Use Only

# DR5-Specific Polyclonal antibody

Catalog Number: 15497-1-AP **15 Publications**



## Basic Information

**Catalog Number:**

15497-1-AP

**Size:**

150ul, Concentration: 320 ug/ml by Nanodrop;

**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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

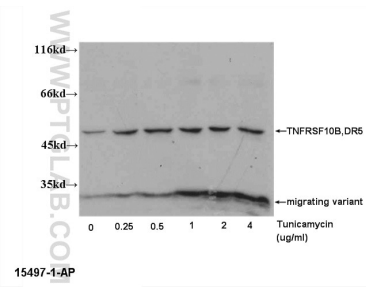
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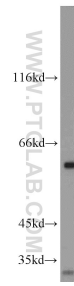
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## Selected Validation Data



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



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.