

# DR5-Specific Polyclonal ANTIBODY

Catalog Number: 15497-1-AP

4 Publications

## Basic Information

<b>Catalog Number:</b> 15497-1-AP	<b>GenBank Accession Number:</b> NM_003842	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Size:</b> 48 µg/150 µl	<b>GeneID (NCBI):</b> 8795	
<b>Source:</b> Rabbit	<b>Full Name:</b> tumor necrosis factor receptor superfamily, member 10b	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 48 kDa	
<b>Purification Method:</b> Antigen affinity purification	<b>Observed MW:</b> 58-60 kDa, 45-50 kDa, 32 kDa	
<b>Immunogen Catalog Number:</b>		

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HL-60 cells; PC-3 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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 (PMD: 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 (PMD: 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 (PMD: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
Naresh Poondla	30862357	Biochem Biophys Res Commun	
Yufeng Yao	28743963	Nat Commun	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

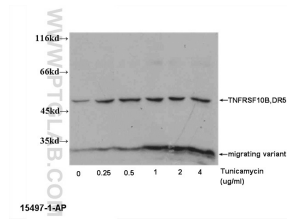
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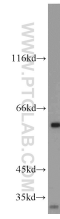
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## Selected Validation Data



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