DR5-Specific Polyclonal antibody

Catalog Number: 15497-1-AP

Basic Information

Catalog Number: 15497-1-AP
Size: 150 μl, Concentration: 320 μg/ml by Nanodrop and 320 μg/ml by Bradford method using BSA as the standard
Source: Rabbit
Isotype: IgG

GenBank Accession Number: NM_003842
GeneID (NCBI): 8795
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

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<th>Author</th>
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<td>Lu-Ning Li</td>
<td>30223653</td>
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<td>Juan Yang</td>
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<td>Xiao-Jie Chen</td>
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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

*** 20μl sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) toll free in USA, or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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.