

Product datasheet for **TA336432**

DR5 (TNFRSF10B) Rabbit Polyclonal Antibody

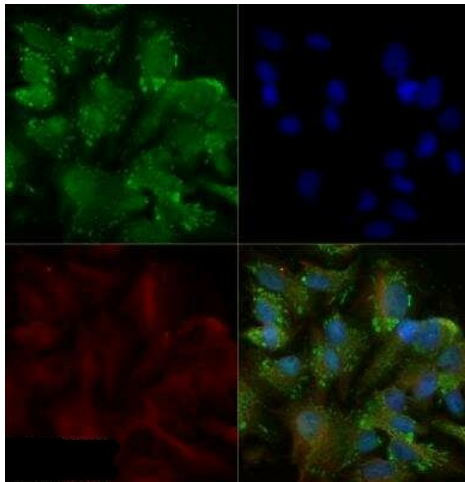
Product data:

Product Type:	Primary Antibodies
Applications:	FC, ICC/IF, IHC, WB
Recommended Dilution:	Immunohistochemistry: 1:200, Flow Cytometry: 1:20-1:2000, Western Blot: 5 ug/ml, Immunocytochemistry/ Immunofluorescence: 1:10-1:500, Immunohistochemistry-Paraffin), Flow (Cell Surface)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Rabbit anti-DR5 polyclonal antibody was raised against a peptide corresponding to amino acids 388 to 407 (isoform 2) of human DR5 precursor (1,2). The same sequence is found in isoform 1 at amino acids 417-436.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor receptor superfamily member 10b
Database Link:	NP_003833 Entrez Gene 8795 Human O14763

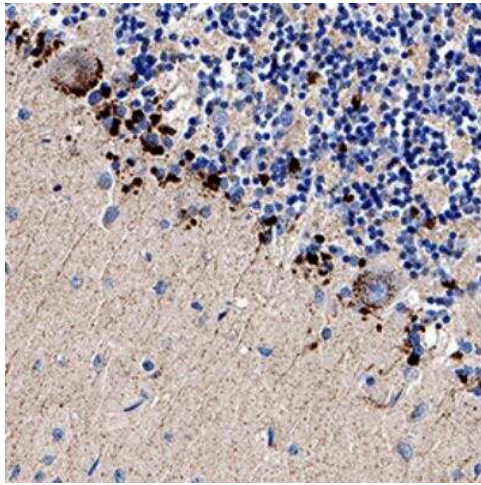


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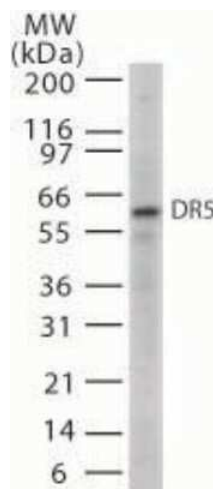
Background:	Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors. TRAIL/Apo2L is a new member of the TNF family. DR4 was recently identified as the receptor for TRAIL. A novel death domain containing receptor for TRAIL was more recently identified and designated DR5, Apo2, TRAIL-R2, TRICK2, or KILLER by several groups independently (1-2). Like DR4, DR5 transcript is widely expressed in normal tissues and in many types of tumor cells. DR5 binds to TRAIL and mediates TRAIL induced cell death. Overexpression of DR5 induces apoptosis and activates NF-kB.
Synonyms:	CD262; DR5; KILLER; TRAIL-R2; TRAILR2; TRICK2; TRICK2A; TRICK2B; TRICKB; ZTNFR9
Note:	Flow Cytometry (Cell Surface): As reported in KOYAMA (2003) Immunocytochemistry/Immunofluorescence: As reported in Georgakis et al. (2005) Immunohistochemistry (paraffin): As reported in Younes et al. (2006)
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity, p53 signaling pathway

Product images:

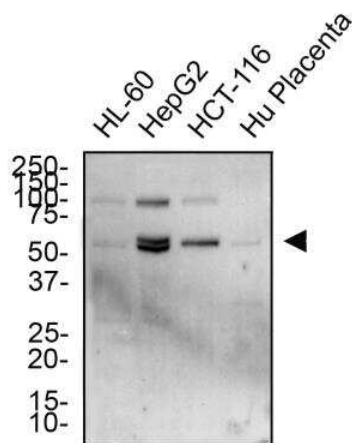
Immunocytochemistry/Immunofluorescence: TRAIL R2/TNFRSF10B Antibody TA336432 - HepG2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-TRAIL R2 (H76) at 5ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:500 dilution. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse Dylight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Immunohistochemistry-Paraffin:
 TRAILR2/TNFRSF10B Antibody TA336432 - TRAIL R2/TNFRSF10B Antibody TA336432 - Analysis of a formalin fixed paraffin-embedded (FFPE) human brain cerebellum using 1:200 conc. of TRAIL R2/TNFRSF10B antibody on a Bond Rx autostainer (Leica Biosystems). The assay involved 30 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 9.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 15 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Cytoplasmic staining was observed in the Purkinje cell layer.



Western Blot: TRAILR2/TNFRSF10B Antibody TA336432 - TRAIL R2/TNFRSF10B Antibody TA336432 - Analysis using the Azide Free version of TA336432. Detection of 20 ug of whole cell lysates from HL60 cells with anti-TRAIL-R2 at 5 ug/ml.



Western Blot: TRAILR2/TNFRSF10B Antibody TA336432 - TRAIL R2/TNFRSF10B Antibody TA336432 - Total protein from HL-60, HepG2, HCT-116 and human placenta was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-TRAIL R2 in 1% non-fat milk in TBST and detected with an anti-rabbit HRP secondary antibody using chemiluminescence.