

For Research Use Only

# DR4 Polyclonal antibody

Catalog Number: 24063-1-AP

Featured Product

15 Publications



## Basic Information

**Catalog Number:**

24063-1-AP

**Size:**

750 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG20927

**GenBank Accession Number:**

BC012866

**GeneID (NCBI):**

8797

**UNIPROT ID:**

O00220

**Full Name:**

tumor necrosis factor receptor  
superfamily, member 10a

**Calculated MW:**

50 kDa

**Observed MW:**

37-55 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:12000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human

**Cited Species:**

human, mouse

**Positive Controls:**

WB : A549 cells, Jurkat cells, HeLa cells, PC-3 cells

## Background Information

Tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) is a member of the TNF superfamily. TRAIL activates apoptosis through the death receptors DR4 (also known as TRAILR1 and TNFRSF10A) and DR5 (also known as TRAILR2, KILLER and TNFRSF10B). DR4 and DR5 are single-pass type I membrane proteins that contain intracellular death domains (DD) and upon activation mediate apoptotic signals (PMID: 11163110). Binding of TRAIL to DR4 or DR5 results in receptor oligomerization and recruitment of FAS-associated protein with death domain (FADD) and caspase 8 to form a functional death-inducing signalling complex (DISC). Upon DISC formation, caspase 8 is cleaved and activated, which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis (PMID: 18813321). DR4 or DR5 promotes the activation of NF-kappa-B and play an important role in inflammation (PMID: 9430227, 19434100).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xingkang Wu	34597653	J Ethnopharmacol	WB
Ran An	31598394	Am J Cancer Res	WB
Juan Yang	27780136	Biomed Pharmacother	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

For technical support and original validation data for this product please contact:

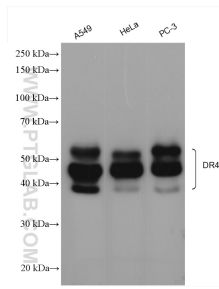
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24063-1-AP (DR4 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.