

TNFRSF10A / DR4 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS11494**Specification**

TNFRSF10A / DR4 Antibody - Product Information

Application	WB, IHC
Primary Accession	O00220
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50kDa KDa

TNFRSF10A / DR4 Antibody - Additional Information**Gene ID** 8797**Other Names**

Tumor necrosis factor receptor superfamily member 10A, Death receptor 4, TNF-related apoptosis-inducing ligand receptor 1, TRAIL receptor 1, TRAIL-R1, CD261, TNFRSF10A, APO2, DR4, TRAILR1

Target/Specificity

peptide corresponding to amino acid 1 to 20 of human DR4 mature protein

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

TNFRSF10A / DR4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TNFRSF10A / DR4 Antibody - Protein Information**Name** TNFRSF10A**Synonyms** APO2, DR4, TRAILR1**Function**

Receptor for the cytotoxic ligand TNFSF10/TRAIL (PubMed:26457518). The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis (PubMed:19090789). Promotes the activation of NF- kappa-B (PubMed:9430227).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Membrane raft. Cytoplasm, cytosol.
Note=Palmitoylation is required for association with membranes.

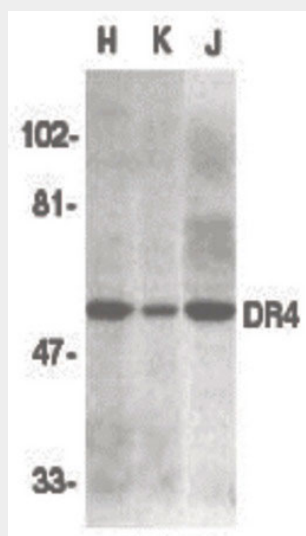
Tissue Location

Widely expressed. High levels are found in spleen, peripheral blood leukocytes, small intestine and thymus, but also in K- 562 erythroleukemia cells, MCF-7 breast carcinoma cells and activated T-cells

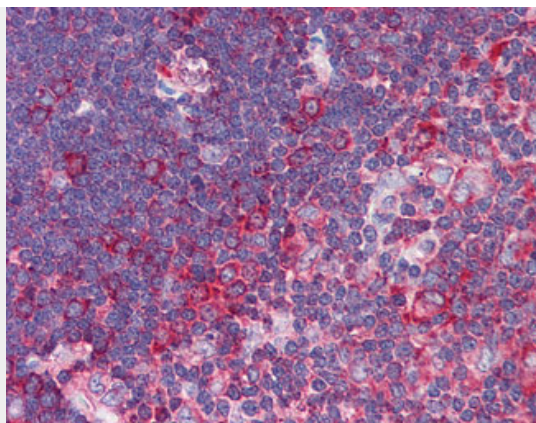
TNFRSF10A / DR4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

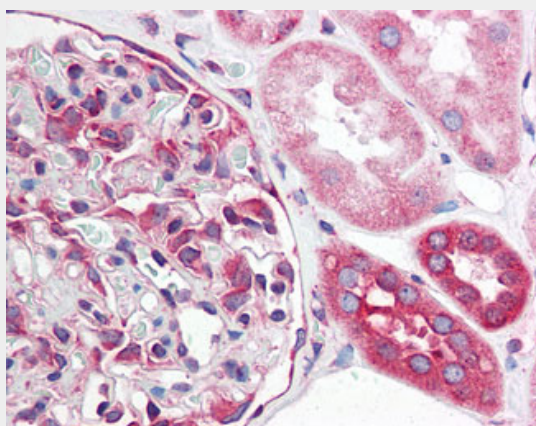
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TNFRSF10A / DR4 Antibody - Images

Western blot of DR4 in HeLa (H), K562 (K), and Jurkat (J) whole cell lysate with DR4 antibody at...



Anti-TNFRSF10A / DR4 antibody IHC of human thymus.



Anti-TNFRSF10A / DR4 antibody IHC of human kidney.

TNFRSF10A / DR4 Antibody - Background

Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappa-B.

TNFRSF10A / DR4 Antibody - References

Pan G.,et al.Science 276:111-113(1997).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Livingston R.J.,et al.Submitted (OCT-2006) to the EMBL/GenBank/DDBJ databases.
Nusbaum C.,et al.Nature 439:331-335(2006).