

**Functional TRAIL-R2 (human) Antibody, mAb(preservative free)**  
**Catalog # ADP0013**

**Specification**

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**Functional TRAIL-R2 (human) Antibody, mAb(preservative free) - Product Information**

Application	IHC
Primary Accession	<a href="#">O14763</a>
Reactivity	Human
Host	Purified From Concentrated Hybridoma Tissue Culture Supernatant.
Clonality	Monoclonal
Isotype	Mouse IgG1
Gene Source	Human
Application Note	FC,Functional Application, Inhibition (blocks TRAIL-R2 mediated killing if applied in solution),ICC,IHC-P(15 µg/ml),IP, 47878
Calculated MW	

**Functional TRAIL-R2 (human) Antibody, mAb(preservative free) - Additional Information**

**Gene ID** 8795

**Other Names**

TRAIL Receptor 2; DR5; KILLER; TNFRSF10B; CD262

**Target/Specificity**

Recognizes human TRAIL-R2. Does not cross-react with human TRAIL-R1, -R3 or -R4.

**Format**

Liquid. In PBS containing 10% glycerol and 0.02% sodium azide.

**Reconstitution & Storage**

Stable for at least 1 year after receipt when stored at -20°C.

**Precautions**

Functional TRAIL-R2 (human) Antibody, mAb(preservative free) is for research use only and not for use in diagnostic or therapeutic procedures.

**Functional TRAIL-R2 (human) Antibody, mAb(preservative free) - Protein Information**

**Name** TNFRSF10B

**Synonyms** DR5, KILLER, TRAILR2, TRICK2, ZTNFR9

**Function**

Receptor for the cytotoxic ligand TNFSF10/TRAIL (PubMed:<a href="http://www.uniprot.org/citations/10549288" target="\_blank">10549288</a>). 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. Essential for ER stress-induced apoptosis.

#### **Cellular Location**

Membrane; Single-pass type I membrane protein.

#### **Tissue Location**

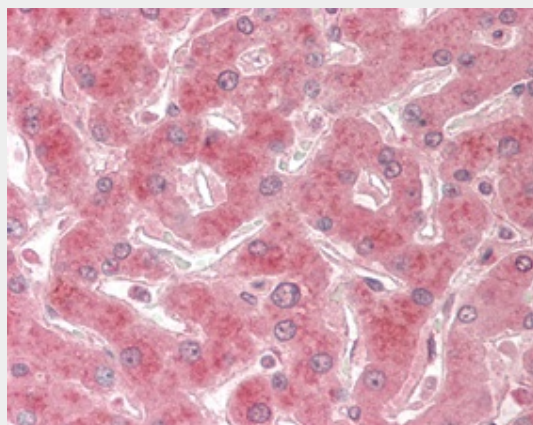
Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLaS3, K-562, HL-60, SW480, A-549 and G-361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, stomach and throughout the intestinal tract; not detectable in brain

### **Functional TRAIL-R2 (human) Antibody, mAb(preservative free) - 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](#)

### **Functional TRAIL-R2 (human) Antibody, mAb(preservative free) - Images**



Immunohistochemical staining of TRAIL-R2 using anti-TRAIL-R2 (human), mAb (HS201) in formalin-fixed and paraffin-embedded (FFPE) human liver tissue (15 µg/ml).

### **Functional TRAIL-R2 (human) Antibody, mAb(preservative free) - Background**

TRAIL-R2 is a receptor for the cytotoxic ligand 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.