

**DR5 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP52787**

**Specification**

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**DR5 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O14763</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2b</b>
Calculated MW	<b>40,48 KDa</b>

**DR5 Antibody - Additional Information**

**Gene ID** 8795

**Other Names**

Fas like protein ;Apoptosis inducing protein TRICK2A/2B ;Apoptosis inducing receptor TRAIL R2 ;CD 262 ;CD262 ;CD262 antigen ;Cytotoxic TRAIL receptor 2 ;Death domain containing receptor for TRAIL/Apo 2L ;Death domain containing receptor for TRAIL/Apo2L ;Death receptor 5 ;DR 5 ;DR5 ;Fas like protein precursor ;KILLER ;KILLER/DR5 ;OTTHUMP00000123492 ;OTTHUMP00000123493 ;p53 regulated DNA damage inducible cell death receptor (killer) ;p53 regulated DNA damage inducible cell death receptor(killer) ;TNF related apoptosis inducing ligand receptor 2 ;TNF related apoptosis inducing ligand receptor 2 ;TNF-related apoptosis-inducing ligand receptor 2 ;TNFRSF10B ;TR10B\_HUMAN ;TRAIL R2 ;TRAIL receptor 2 ;TRAIL-R2 ;TRAILR2 ;TRANCER ;TRICK2 ;TRICK2A ;TRICK2B ;TRICKB ;Tumor necrosis factor receptor like protein ZTNFR9 ;Tumor necrosis factor receptor like protein ZTNFR9 ;Tumor necrosis factor receptor superfamily member 10b ;Tumor necrosis factor receptor superfamily, member 10b ;ZTNFR9

**Dilution**

WB~~1:2000

**Format**

Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**DR5 Antibody - 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

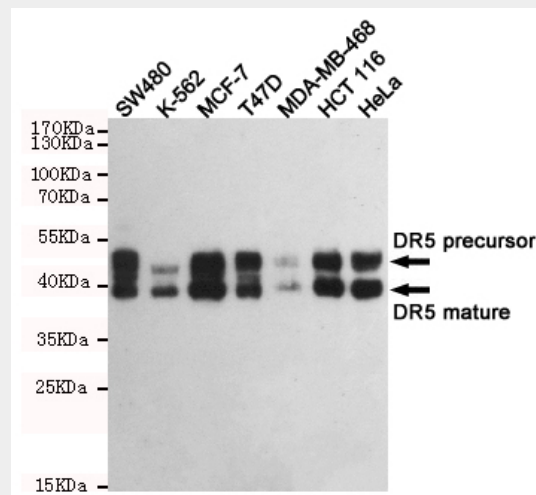
Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLaS3, K-562, HL-60, SW480, A-549 and G-361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, stomach and throughout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

### DR5 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](#)

### DR5 Antibody - Images



Western blot detection of DR5 in SW480, K562, HCT116 and HeLa cell lysates using DR5 mouse mAb (1:1000 diluted). Predicted band size: 40/48 kDa. Observed band size: 40/48 kDa.

### DR5 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. Essential for ER stress-induced apoptosis.

#### **DR5 Antibody - References**

- Screaton G.R., et al. *Curr. Biol.* 7:693-696(1997).
- Walczak H., et al. *EMBO J.* 16:5386-5397(1997).
- Schneider P., et al. *FEBS Lett.* 416:329-334(1997).
- Chaudhary P.M., et al. *Immunity* 7:821-830(1997).
- MacFarlane M., et al. *J. Biol. Chem.* 272:25417-25420(1997).