

## **DR5 Antibody**

Rabbit mAb Catalog # AP91307

## **Specification**

## **DR5 Antibody - Product Information**

Application WB, FC, IP
Primary Accession O14763
Clonality Monoclonal

**Other Names** 

Death receptor 5; TRAIL receptor 2; TRAIL-R2; CD262; TNFRSF10B; DR5; KILLER; TRAILR2; TRICK2;

ZTNFR9;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 47878 Da

# **DR5 Antibody - Additional Information**

Dilution WB~~1:1000

FC~~1:10~50

IP~~N/A

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

DR5

Description Plays an important role in the regulation of

apoptosis in various physiological systems. Promotes the activation of NF-kappa-B. Essential for ER stress-induced apoptosis.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

# **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.





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## **Cellular Location**

Membrane; Single-pass type I membrane protein.

#### **Tissue Location**

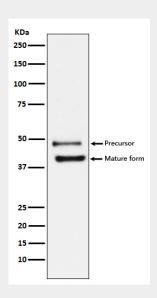
Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLaS3, K-562, HL-60, SW480, A-549 and G-361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, stomach and throughout 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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **DR5 Antibody - Images**



Western blot analysis of DR5 expression in HeLa cell lysate.