

DR5 Antibody

Purified Mouse Monoclonal Antibody (Mab) Catalog # AP52786

Product Information

| Application | WB, ICC |
|-------------------|---------------|
| Primary Accession | <u>014763</u> |
| Reactivity | Human, Mouse |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Calculated MW | 47878 |

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~~1:500-1:2000 ICC~~1:100 |
| Format | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

Protein Information

| Name | TNFRSF10B |
|----------|---|
| Synonyms | DR5, KILLER, TRAILR2, TRICK2, ZTNFR9 |
| | Receptor for the cytotoxic ligand TNFSF10/TRAIL (PubMed: <u>10549288</u>). The |

| Function | 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 |

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.

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).

Images



Western blot detection of DR5 in Mouse kindey, Mouse brain, HCT116 and Hela cell lysates using DR5 mouse mAb (1:500-1:2000 diluted). Predicted band size: 40/48 KDa. Observed band size: 40/48 KDa.



Immunocytochemistry of HeLa cells fixed by Paraformaldehyde and using DR5 mouse mAb diluted 1:100. Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.