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DR5 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52786

Product Information

Application	WB, ICC
Primary Accession	O14763
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: 10549288). 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

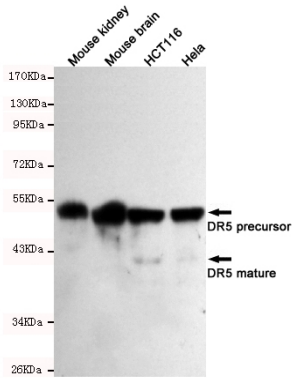
Background

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.

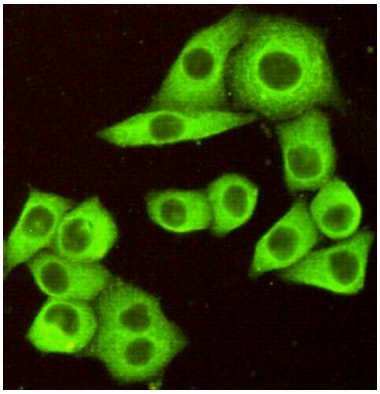
References

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:40/48KDa.Observed band size:40/48KDa.



Immunocytochemistry of HeLa cells fixed by Paraformaldehyde and using DR5 mouse mAb diluted 1:100.

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