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DR5 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52788

Product Information

Application	WB
Primary Accession	O14763
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
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~~1:1000
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

Protein Information

Name	TNFRSF10B
Synonyms	DR5, KILLER, TRAILR2, TRICK2, ZTNFR9
Function	Receptor for the cytotoxic ligand TNFSF10/TRAIL (PubMed: 10549288). 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

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

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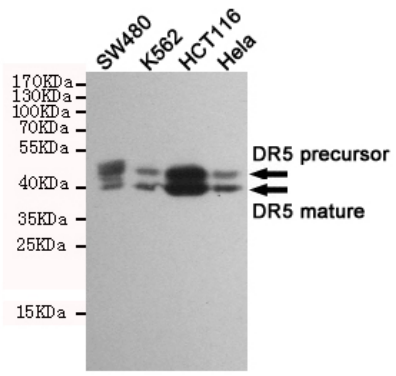
Walczak H.,et al.EMBO J. 16:5386-5397(1997).
Schneider P.,et al.FEBS Lett. 416:329-334(1997).
Chaudhary P.M.,et al.Immunity 7:821-830(1997).
MacFarlane M.,et al.J. Biol. Chem. 272:25417-25420(1997).

Images



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