

# DR5 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52786

## Product Information

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Application	WB, ICC
Primary Accession	<a href="#">O14763</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	47878

## Additional Information

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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

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Name	TNFRSF10B
Synonyms	DR5, KILLER, TRAILR2, TRICK2, ZTNFR9
	Receptor for the cytotoxic ligand TNFSF10/TRAIL (PubMed: <a href="#">10549288</a> ). The

<b>Function</b>	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.
<b>Cellular Location</b>	Membrane; Single-pass type I membrane protein.
<b>Tissue Location</b>	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

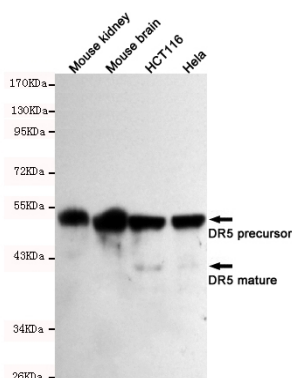
## Background

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.

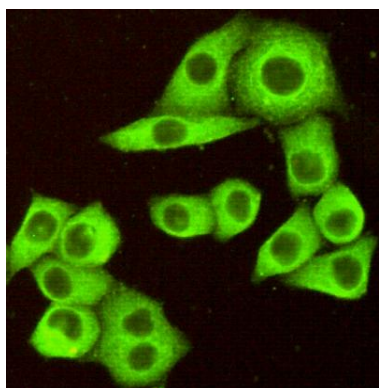
## References

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

## Images



Western blot detection of DR5 in Mouse kidney, 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.