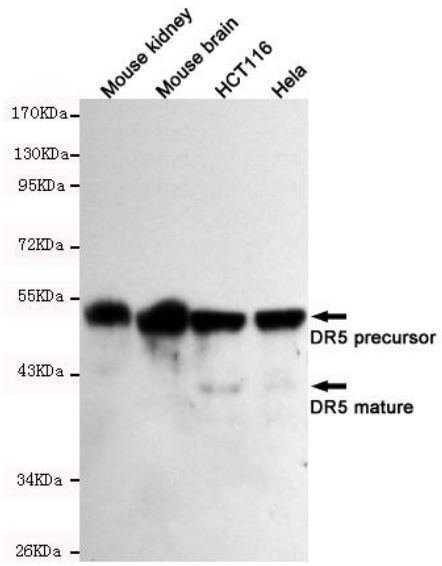
DR5 mouse mAb

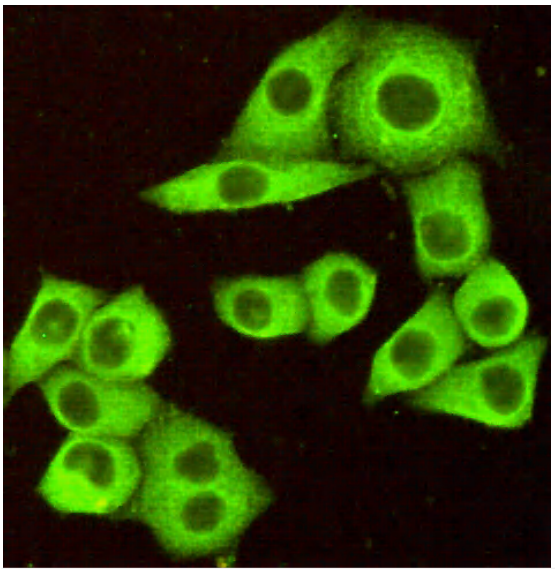
Catalog No	YP-Ab-04477
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ICC
Gene Name	tnfrsf10b
Protein Name	
Immunogen	Purified recombinant human DR5 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of DR5 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:500-1:2000 icc 1:100
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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.
Observed Band	48kD
Cell Pathway	Membrane; Single-pass type I membrane protein.

Tissue Specificity	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.
Function	disease:Defects in TNFRSF10B may be a cause of squamous cell carcinoma of the head and neck (HNSCC) [MIM:275355].,function: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.,induction:TNFRSF10B is regulated by the tumor suppressor p53.,similarity:Contains 1 death domain.,similarity:Contains 3 TNFR-Cys repeats.,subunit:Homotrimer. Can interact with TRADD and RIP.,tissue specificity:Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLa S3, K562, HL-60, SW480, A549 and G361; highly expressed in heart, peripheral blood lymphocytes, liv
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. Two transcript variants encoding different isoforms and one non-coding transcript have been found for this gene. [provided by RefSeq, Mar 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products 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.