

DR5 Mouse mAb

CatalogNo: YM1358

| Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse

Applications

- WB, ICC

MW

- 48kD (Observed)

| Recommended Dilution Ratios

WB 1:500-1:2000

ICC 1:100

| Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Monoclonal

| Immunogen Information

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.

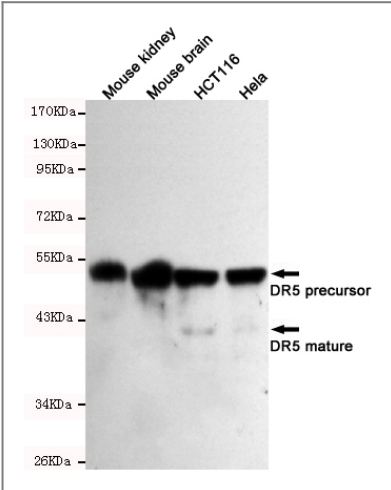
| Target Information

Gene name

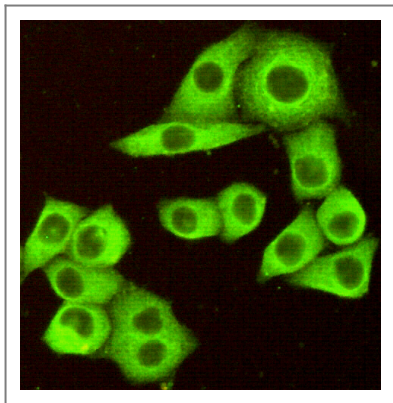
tnfrsf10b

Protein Name	Organism	Gene ID	UniProt ID
	Human	8795;	O14763;
	Mouse		Q9QZM4;
Cellular Localization	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, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, stomach and throughout the intestinal tract; not detectable in brain.,		

Validation Data



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.

| Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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DR5 Mouse mAb

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