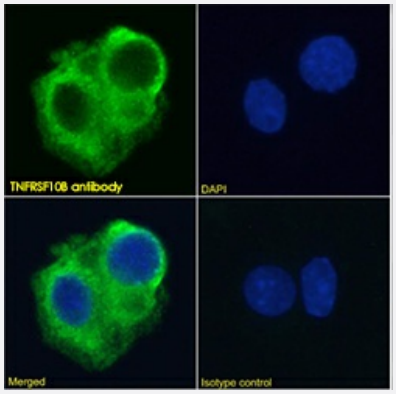
RecomAb™

TNFRSF10B recombinant monoclonal antibody, clone TRA-8

Catalog # RAB01153 Size 200 ug

Applications



Immunofluorescence

Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells stained with the chimeric rabbit IgG version of TRA-8) at 10 ug/mL followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human DR5.
Antibody Species	Mouse
Immunogen	Original antibody is raised against by immunizing BALB/c mice with a fusion protein containing the extracellular portion of human DR5 and the Fc portion of human IgG1.
Reactivity	Human
Specificity	The antibody is specific to human DR5 and does not bind other TRAIL receptors, other members of the TNF-receptor superfamily, or the murine homolog of DR5.
Form	Liquid
Purification	Protein A affinity purification
Isotype	IgG1, Kappa
Recommend Usage	Immunofluorescence The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

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Gene Info — TNFRSF10B

Entrez GeneID	8795
Protein Accession#	O14763
Gene Name	TNFRSF10B
Gene Alias	CD262, DR5, KILLER, KILLER/DR5, TRAIL-R2, TRAILR2, TRICK2, TRICK2A, TRICK2B, TRICK B, ZTNFR9
Gene Description	tumor necrosis factor receptor superfamily, member 10b
Omim ID	275355 603612
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily, and contains an i ntracellular death domain. This receptor can be activated by tumor necrosis factor-related apopto sis 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 requir ed 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
Other Designations	Fas-like protein|OTTHUMP00000123492|TNF-related apoptosis-inducing ligand receptor 2|TRAI L receptor 2|apoptosis inducing protein TRICK2A/2B|apoptosis inducing receptor TRAIL-R2|cytot oxic TRAIL receptor-2|death domain containing receptor for TRAIL/Apo-2L|d

Pathway

- Apoptosis

- Cytokine-cytokine receptor interaction
- Natural killer cell mediated cytotoxicity
- p53 signaling pathway

Disease

- Asthma
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Colorectal Neoplasms
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Hematologic Diseases
- Hodgkin Disease
- Lymphoproliferative Disorders
- Multiple Myeloma
- Neoplasm Metastasis
- Neoplasms
- Occupational Diseases
- Prostatic Neoplasms
- Recurrence

- Waldenstrom Macroglobulinemia
- Werner syndrome