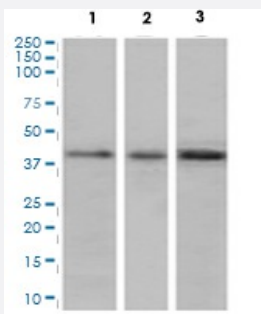


RecomAb™

# TNFRSF10B recombinant monoclonal antibody, clone 304

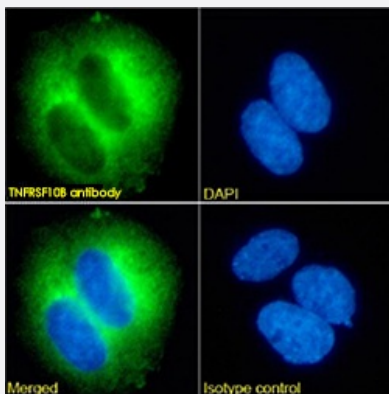
Catalog # RAB01156      Size 200 ug

## Applications



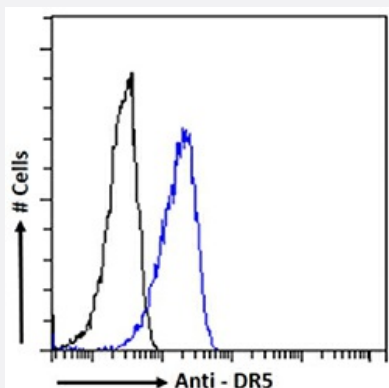
### Western Blot

Western Blot analysis were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of 304 before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



### Immunofluorescence

Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells stained with the chimeric rabbit IgG version of 304 (1:1000 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1500 dilution), showing nuclear 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 anti-fluorescein antibody followed by staining with Alexa Fluor 488 secondary antibody.



### Flow Cytometry

Flow-cytometry were stained with an isotype control (black line) or the rabbit-chimeric version of 304 (blue line) at a concentration of 1 ug/mL for 30 mins at RT. After washing, bound antibody was detected using Alexa Fluor 488 conjugated goat anti-rabbit IgG and cells analysed on a FACSCanto flow-cytometer.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human DR5.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against in mice homozygous for both disrupted endogenous Ig heavy chain and k light chain, harboring a chromosome 14 fragment (SC20) containing a human Ig heavy chain locus and a human Igk chain transgene (KCo5). The mice were immunised against TRAIL-R1 and TRAIL-R2.
<b>Reactivity</b>	Human
<b>Specificity</b>	The antibody is specific to human DR5.
<b>Form</b>	Liquid
<b>Purification</b>	Protein A affinity purification
<b>Isotype</b>	IgG, Kappa
<b>Recommend Usage</b>	Flow cytometry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS with 0.02% Proclin 300
<b>Storage Instruction</b>	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

## Applications

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## Gene Info — TNFRSF10B

Entrez GeneID	<a href="#">8795</a>
Protein Accession#	<a href="#">O14763</a>
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	<a href="#">275355 603612</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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]
Other Designations	Fas-like protein OTTHUMP00000123492 TNF-related apoptosis-inducing ligand receptor 2 TRAIL receptor 2 apoptosis inducing protein TRICK2A/2B apoptosis inducing receptor TRAIL-R2 cytotoxic 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](#)