

Datasheet for ABIN7072462

Recombinant anti-TNFRSF10B antibody



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1 Image

Overview

Quantity:	200 µg
Target:	TNFRSF10B
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This TNFRSF10B antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA

Product Details

Purpose:	Anti-DR5 [TRA-8], Rabbit IgG, kappa
Immunogen:	The antibody was raised by immunizing BALB/c mice with a fusion protein containing the extracellular portion of human DR5 and the Fc portion of human IgG1.
Clone:	TRA-8
Isotype:	IgG kappa
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.
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG1
Purification:	Protein A affinity purified

Target Details

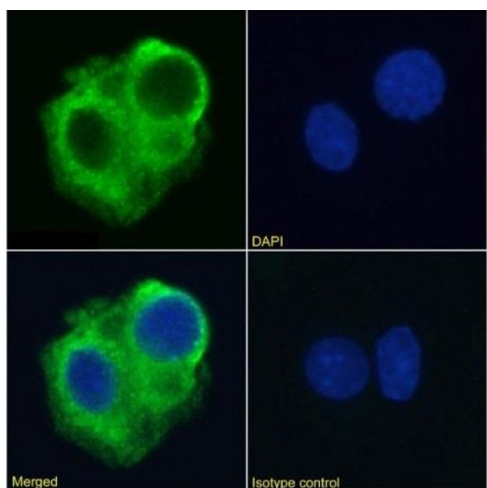
Target:	TNFRSF10B
Alternative Name:	DR5 (TNFRSF10B Products)
Background:	TRAILR2, TNFRSF10B, TRAIL receptor 2, tumor necrosis factor receptor superfamily member 10B
UniProt:	O14763
Pathways:	p53 Signaling , Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	The antibody has been characterised using Western blot and ELISA. It induces apoptosis in primary hepatocellular carcinoma cells and established liver cancer cell lines, but not normal human hepatocytes (Ichikawa et al., 2001). The antibody has been reported to function in flow cytometry to detect cell-surface expression of DR5 on Cos-7 cells transfected with full-length human DR5. This antibody has been demonstrated to have therapeutic benefits in the treatment of cancer <i>in vivo</i> and <i>ex vivo</i> (Buchsbaum et al., 2003, PMID: 14506165) (Straughn Jr et al., 2006, PMID: 16271751) (Estes et al., 2007, PMID: 17303227).
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells using anti-DR5 antibody TRA-8. Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells stained with the chimeric rabbit IgG version of TRA-8 (ABIN7072462) at 10 µg/mL followed by Alexa Fluor® 488 secondary antibody (2 µg/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072462, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody (ABIN5668035) followed by Alexa Fluor® 488 secondary antibody.