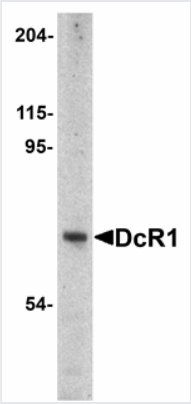
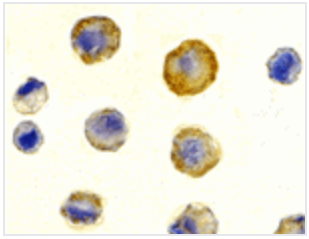
DcR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DcR1, Polyclonal Antibody
Full Product Name	DcR1 Antibody
Product Gene Name	anti-DcR1 antibody
Product Synonym Names	TRAIL-R3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Purity/Purification	Affinity chromatography purified via peptide column
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Molecular Weight	27,407 Da
OMIM	603613
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids in a extracellular domain of human DcR1 precursor.
Target Name	DcR1
Product Categories/Family for anti-DcR1 antibody	Total protein Ab
Applications Tested/Suitable for anti-DcR1 antibody	ELISA (EIA), Western Blot (WB), Immunocytochemistry (ICC)
Related Product Information for anti-DcR1 antibody	Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors. TRAIL/Apo2L is a new member of the TNF family and induces apoptosis of a variety of tumor cell lines. DR4 and DR5 are the recently identified functional receptors for TRAIL. Two decoy receptors for TRAIL have been identified and designated DcR1/TRID/TRAIL-R3/LIT and DcR2/TRAIL-R4/TRUNDD. DcR1 has extracellular TRAIL-binding domain but lacks intracellular signaling domain. It is a glycophospholipid-anchored cell surface protein. DcR1 transcripts were expressed in many normal human tissues but not in most cancer cell lines. Overexpression of DcR1 did not induce apoptosis, but attenuated TRAIL-induced apoptosis.
Other Notes	Small volumes of anti-DcR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DcR1 purchase	MBS9406958 is an antibody targeting DcR1. Also known as DcR1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-DcR1 antibody
Western blot analysis of DcR1 in HeLa whole cell lysate with DcR1 antibody (ED) at 1:500 dilution.



Immunocytochemistry (ICC) of anti-DcR1 antibody
Immunocytochemistry of DcR1 in HeLa cells with DcR1 antibody at 10 ug/mL.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DcR1. It may not necessarily be applicable to this product.

NCBI GI #	2338421
NCBI GeneID	8794
NCBI Accession #	AF012536
UniProt Secondary Accession #	O14755; Q08AS6; Q6FH98; Q6UXM5
UniProt Related Accession #	O14798
NCBI Official Full Name	Homo sapiens decoy receptor 1 (DcR1) mRNA, complete cds
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain
NCBI Official Symbol	TNFRSF10C
NCBI Official Synonym Symbols	LIT; DCR1; TRID; CD263; TRAILR3; TRAIL-R3; DCR1-TNFR
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 10C
UniProt Synonym Protein Names	Antagonist decoy receptor for TRAIL/Apo-2L; Decoy TRAIL receptor without death domain; Decoy receptor 1; DcR1; Lymphocyte inhibitor of TRAIL; TNF-related apoptosis-inducing ligand receptor 3; TRAIL receptor 3; TRAIL-R3; TRAIL receptor without an intracellular domain; CD_antigen: CD263
Protein Family	Protein
UniProt Gene Name	TNFRSF10C
UniProt Synonym Gene Names	DCR1; LIT; TRAILR3; TRID; DcR1; TRAIL receptor 3; TRAIL-R3
UniProt Entry Name	TR10C_HUMAN
NCBI Protein Information	tumor necrosis factor receptor superfamily member 10C
NCBI Summary for DcR1	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains an extracellular TRAIL-binding domain and a transmembrane domain, but no cytoplasmic death domain. This receptor is not capable of inducing apoptosis, and is thought to function as an antagonistic receptor that protects cells from TRAIL-induced apoptosis. This gene was found to be a p53-regulated DNA damage-inducible gene. The expression of this gene was detected in many normal tissues but not in most cancer cell lines, which may explain the specific sensitivity of cancer cells to the apoptosis-inducing activity of TRAIL. [provided by RefSeq, Jul 2008]

UniProt Comments for DcR1	TRAIL-R3: Receptor for the cytotoxic ligand TRAIL. Lacks a cytoplasmic death domain and hence is not capable of inducing apoptosis. May protect cells against TRAIL mediated apoptosis by competing with TRAIL-R1 and R2 for binding to the ligand. Higher expression in normal tissues than in tumor cell lines. Highly expressed in peripheral blood lymphocytes, spleen, skeletal muscle, placenta, lung and heart. Protein type: Membrane protein, GPI anchor Chromosomal Location of Human Ortholog: 8p22-p21 Cellular Component: integral to plasma membrane Molecular Function: transmembrane receptor activity; TRAIL binding Biological Process: apoptosis; signal transduction
Research Articles on DcR1	**1.** DcR1 upregulation mediates temozolomide resistance.
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