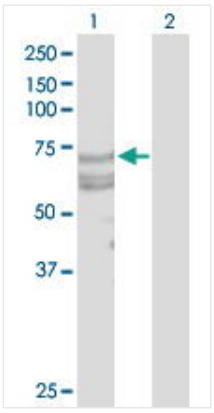
DR6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DR6, Polyclonal Antibody
Full Product Name	DR6 (Death Receptor 6, BM018, MGC31965, TNFR Related Death Receptor 6, Tumor Necrosis Factor Receptor Superfamily Member 21, Tumor Necr
Product Gene Name	anti-DR6 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TNFRSF21.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
OMIM	605732
3D Structure	ModBase 3D Structure for O75509
Immunogen	Full length human TNFRSF21, aa1-655 (NP_055267.1).
Immunogen Sequence	MGTSPSSSTALASCSRIARRATATMIAGSLLLLGFLSTTTAQPEQKASNLIGTYRHVDRATGQVLTCDKCPAGTYVSEHCTNTSLRVCSSCPVGTFTRHEN
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-DR6 antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-DR6 antibody	Western Blot (WB)
Application Notes for anti-DR6 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-DR6 antibody	Apoptosis is induced by certain cytokines including TNF and Fas ligand of the TNF family through their death domain containing receptors, TNF-R1 and
Other Notes	Small volumes of anti-DR6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar

Searchable Terms for DR6 purchase	MBS6376589 is an antibody targeting DR6. Also known as DR6 (Death Receptor 6, BM018, MGC31965, TNFR Related Death Receptor 6, Tumor Nec



Western Blot (WB) of anti-DR6 antibody
Western Blot analysis of TNFRSF21 expression in transfected 293T cell line by TNFRSF21 polyclonal antibody. Lane 1: TNFRSF21 transfected lysate (71.8kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DR6. It may not necessarily be applicable to this product.

NCBI GI #	1519312579
NCBI GeneID	27242
NCBI Accession #	NM_014452.5
UniProt Primary Accession #	O75509
UniProt Related Accession #	O75509
GenBank Nucleotide #	NM_014452
NCBI Official Full Name	Homo sapiens TNF receptor superfamily member 21 (TNFRSF21), mRNA
NCBI Official Synonym Full Names	TNF receptor superfamily member 21
NCBI Official Symbol	TNFRSF21
NCBI Official Synonym Symbols	DR6; CD358; BM-018
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 21
UniProt Synonym Protein Names	Death receptor 6; CD_antigen: CD358
Protein Family	Transposon Ty1-DR6 Gag-Pol polyprotein
UniProt Gene Name	TNFRSF21
UniProt Synonym Gene Names	DR6
UniProt Entry Name	TNR21_HUMAN
NCBI Protein Information	tumor necrosis factor receptor superfamily member 21
NCBI Summary for DR6	This gene encodes a member of the tumor necrosis factor receptor superfamily. The encoded protein activates nuclear factor kappa-B and mitogen-activated protein kinase 8 (also called c-Jun N-terminal kinase 1), and induces cell apoptosis. Through its death domain, the encoded receptor interacts with tumor necrosis factor receptor type 1-associated death domain (TRADD) protein, which is known to mediate signal transduction of tumor necrosis factor receptors. Knockout studies in mice suggest that this gene plays a role in T-helper cell activation, and may be involved in inflammation and immune regulation. [provided by RefSeq, Jul 2013]

UniProt Comments for DR6	DR6: May activate NF-kappa-B and promote apoptosis. May activate JNK and be involved in T-cell differentiation. Required for both normal cell body death and axonal pruning. Trophic-factor deprivation triggers the cleavage of surface APP by beta-secretase to release sAPP-beta which is further cleaved to release an N- terminal fragment of APP (N-APP). N-APP binds TNFRSF21 triggering caspase activation and degeneration of both neuronal cell bodies (via caspase-3) and axons (via caspase-6). Associates with TRADD. Interacts with N-APP. Highly expressed in heart, brain, placenta, pancreas, lymph node, thymus and prostate. Detected at lower levels in lung, skeletal muscle, kidney, testis, uterus, small intestine, colon, spleen, bone marrow and fetal liver. Very low levels were found in adult liver and peripheral blood leukocytes. Protein type: Apoptosis; Membrane protein, integral; Receptor, cytokine Chromosomal Location of Human Ortholog: 6p21.1 Cellular Component: axon; integral to plasma membrane; plasma membrane; intrinsic to plasma membrane Molecular Function: protein binding Biological Process: myelination; neuron apoptosis; adaptive immune response; negative regulation of T cell proliferation; negative regulation of myelination; apoptosis; regulation of oligodendrocyte differentiation; B cell apoptosis; negative regulation of B cell proliferation; cellular lipid metabolic process; T cell receptor signaling pathway; humoral immune response
Research Articles on DR6	**1.** Hepatitis C virus modulates DR6 signaling pathway for viral propagation.DR6 is not involved in the entry, replication, and translation steps of the HCV life cycle.Hepatitis C virus NS5A protein specifically interacts with DR6.
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