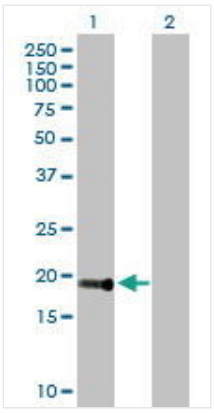
DDIT4L Antibody – Mouse Polyclonal

PRODUCT OVERVIEW

Product Name	DDIT4L, Polyclonal Antibody
Full Product Name	DDIT4L (REDD2, RTP801L, DNA Damage-inducible Transcript 4-like Protein, HIF-1 Responsive Protein RTP801-like, Protein Regulated in Development and DNA Damage Response 2)
Product Gene Name	anti-DDIT4L antibody
Product Synonym Names	Anti -DDIT4L (REDD2, RTP801L, DNA Damage-inducible Transcript 4-like Protein, HIF-1 Responsive Protein RTP801-like, Protein Regulated in Development and DNA Damage Response 2)
Immunogen Sequence	MVATGSLSSK NPASISELLD CGYHPESLLS DFDYWDYVVP EPNLNEVIFE ESTCQNLVKM LENCLSKSKQ TKLGCSKVLV PEKLTQRIAQ DVLRLSSTEP CGLRGCVMHV NLEIENVCKK LDRIVCDSSV VPTFELTLVF KQENCSWTSF RDFFFSRGRF SSGFRRTLIL SSGFRLVKKK LYSLIGTTVI EGS
Clonality	Polyclonal
Isotype	IgG
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human DDIT4L.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	21,740 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (101106267..101111939, complement). Location: 4q24
OMIM	607730
3D Structure	ModBase 3D Structure for Q96D03
Immunogen	Full length human DDIT4L, aa1-193 (NP_660287.1).
Product Categories/Family for anti-DDIT4L antibody	Antibodies; Abs to DNA Replication; Repair
Applications Tested/Suitable for anti-DDIT4L antibody	Western Blot (WB)
Application Notes for anti-DDIT4L antibody	Suitable for use in Western Blot.
Related Product Information for anti-DDIT4L antibody	DDIT4L inhibits cell growth by regulating the FRAP1 pathway upstream of the TSC1-TSC2 complex and downstream of AKT1.
Other Notes	Small volumes of anti-DDIT4L 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 DDIT4L purchase	MBS6004811 is an antibody targeting DDIT4L. Also known as DDIT4L (REDD2, RTP801L, DNA Damage-inducible Transcript 4-like Protein, HIF-1 Responsive Protein RTP801-like, Protein Regulated in Development and DNA Damage Response 2). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-DDIT4L antibody
Western Blot analysis of DDIT4L expression in transfected 293T cell line by DDIT4L polyclonal antibody. Lane 1: DDIT4L transfected lysate (21.23kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DDIT4L. It may not necessarily be applicable to this product.

NCBI GI #	21687001
NCBI GeneID	115265
NCBI Accession #	NP_660287.1
UniProt Primary Accession #	Q96D03
UniProt Secondary Accession #	B2R7C3
UniProt Related Accession #	Q96D03
GenBank Nucleotide #	NM_145244.3
NCBI Official Full Name	DNA damage-inducible transcript 4-like protein
NCBI Official Synonym Full Names	DNA-damage-inducible transcript 4-like
NCBI Official Symbol	DDIT4L
NCBI Official Synonym Symbols	REDD2; Rtp801L
UniProt Protein Name	DNA damage-inducible transcript 4-like protein
UniProt Synonym Protein Names	HIF-1 responsive protein RTP801-like; Protein regulated in development and DNA damage response 2
Protein Family	DNA damage-inducible transcript 4-like protein
UniProt Gene Name	DDIT4L
UniProt Synonym Gene Names	REDD2; RTP801L; REDD-2
UniProt Entry Name	DDT4L_HUMAN
NCBI Protein Information	DNA damage-inducible transcript 4-like protein; REDD-2; homolog of mouse SMHS1; HIF-1 responsive protein RTP801-like; regulated in development and DNA damage response 2; protein regulated in development and DNA damage response 2

UniProt Comments for DDIT4L	DDIT4L: Inhibits cell growth by regulating the TOR signaling pathway upstream of the TSC1-TSC2 complex and downstream of AKT1. Belongs to the DDIT4 family. Protein type: Unknown function Chromosomal Location of Human Ortholog: 4q24 Cellular Component: cytoplasm Biological Process: negative regulation of signal transduction
Research Articles on DDIT4L	**1.** mediates monocyte cell death through a reduction in thioredoxin-1 expression
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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