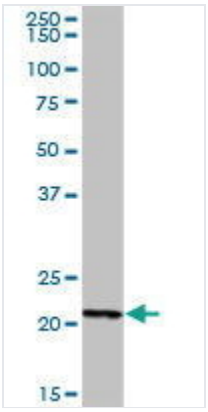
DUSP26 Antibody – Mouse Polyclonal

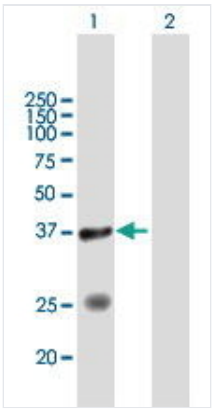
PRODUCT OVERVIEW

Product Name	DUSP24 (DUSP26), Polyclonal Antibody
Full Product Name	DUSP24 (STYXL1, MKSTYX, Serine/Threonine/Tyrosine-interacting-like Protein 1, Dual Specificity Phosphatase Inhibitor MK-STYX, Dual Specificity Protein Phosphatase 24, Map Kinase Phosphatase-like Protein MK-STYX)
Product Gene Name	anti-DUSP26 antibody
Product Synonym Names	Anti -DUSP24 (STYXL1, MKSTYX, Serine/Threonine/Tyrosine-interacting-like Protein 1, Dual Specificity Phosphatase Inhibitor MK-STYX, Dual Specificity Protein Phosphatase 24, Map Kinase Phosphatase-like Protein MK-STYX)
Immunogen Sequence	MPGLLLCEPT ELYNILNQAT KLSRLTDPNY LCLLDVRSKW EYDESHVITA LRVKKKNNEY LLPESVDLEC VKYCVVYDNN SSTLEILLKD DDDDSDSDGD GKDLVPQAAI EYGRILTRLT HHPVYILKGG YERFSGTYHF LRTQKIIWMP QELDAFQPYP IEIVPGKVFV GNFSQACDPK IQKDLKIKAH VNVSMDTGPF FAGDADKLLH IRIEDSPEAQ ILPFLRHMCH FIEIHHHLGS VILIFSTQGI SRSCAAIIAY LMHSNEQTLQ RSWAYVKKCK NNMCPNRGLV SQLLEWEKTI LGDSITNIMD PLY
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 STYXL1.
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	23,946 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (33448848..33457546, complement). Location: 8p12
3D Structure	ModBase 3D Structure for Q9BV47
Immunogen	Full length human STYXL1, aa1-313 (NP_057170.1).
Product Categories/Family for anti-DUSP26 antibody	Antibodies; Abs to Tyrosine Kinases
Applications Tested/Suitable for anti-DUSP26 antibody	Western Blot (WB)
Application Notes for anti-DUSP26 antibody	Suitable for use in Western Blot.
Related Product Information for anti-DUSP26 antibody	DUSP24 is probable pseudophosphatase. It contains a Ser residue instead of a conserved Cys residue in the dsPTPase catalytic loop which probably renders it catalytically inactive as a phosphatase. The binding pocket may be however sufficiently preserved to bind phosphorylated substrates, and maybe protect them from phosphatases.
Other Notes	Small volumes of anti-DUSP26 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 DUSP26 purchase	MBS6007830 is an antibody targeting DUSP26. Also known as DUSP24 (STYXL1, MKSTYX, Serine/Threonine/Tyrosine-interacting-like Protein 1, Dual Specificity Phosphatase Inhibitor MK-STYX, Dual Specificity Protein Phosphatase 24, Map Kinase Phosphatase-like Protein MK-STYX). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-DUSP26 antibody
STYXL1 polyclonal antibody. Western Blot analysis of STYXL1 expression in human colon.



Western Blot (WB) of anti-DUSP26 antibody
Western Blot analysis of STYXL1 expression in transfected 293T cell line by STYXL1 polyclonal antibody. Lane 1: STYXL1 transfected lysate (34.43kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DUSP26. It may not necessarily be applicable to this product.

NCBI GI #	74752374
NCBI GeneID	78986
NCBI Accession #	Q9BV47.1
UniProt Primary Accession #	Q9BV47
UniProt Secondary Accession #	Q9BTW0; D3DSV8
UniProt Related Accession #	Q9BV47
NCBI Official Full Name	Dual specificity protein phosphatase 26
NCBI Official Synonym Full Names	dual specificity phosphatase 26 (putative)
NCBI Official Symbol	DUSP26
NCBI Official Synonym Symbols	MKP8; LDP-4; NATA1; SKRP3; DUSP24
UniProt Protein Name	Dual specificity protein phosphatase 26
UniProt Synonym Protein Names	Dual specificity phosphatase SKRP3; Low-molecular-mass dual-specificity phosphatase 4; DSP-4; LDP-4; Mitogen-activated protein kinase phosphatase 8; MAP kinase phosphatase 8; MKP-8; Novel amplified gene in thyroid anaplastic cancer
Protein Family	Dual specificity protein phosphatase
UniProt Gene Name	DUSP26
UniProt Synonym Gene Names	DUSP24; LDP4; MKP8; NATA1; SKRP3; DSP-4; LDP-4; MAP kinase phosphatase 8; MKP-8
UniProt Entry Name	DUS26_HUMAN
NCBI Protein Information	dual specificity protein phosphatase 26; DSP-4; MKP-8; MAP kinase phosphatase 8; dual specificity phosphatase SKRP3; dual-specificity phosphatase SKRP3; mitogen-activated protein kinase phosphatase 8; Novel amplified gene in thyroid anaplastic cancer; low-molecular-mass dual-specificity phosphatase 4

NCBI Summary for DUSP26	This gene encodes a member of the tyrosine phosphatase family of proteins and exhibits dual specificity by dephosphorylating tyrosine as well as serine and threonine residues. This gene has been described as both a tumor suppressor and an oncogene depending on the cellular context. This protein may regulate neuronal proliferation and has been implicated in the progression of glioblastoma through its ability to dephosphorylate the p53 tumor suppressor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]
UniProt Comments for DUSP26	DUSP26: Inactivates MAPK1 and MAPK3 which leads to dephosphorylation of heat shock factor protein 4 and a reduction in its DNA-binding activity. Inhibits MAP kinase p38 by dephosphorylating it and inhibits p38-mediated apoptosis in anaplastic thyroid cancer cells. Can also induce activation of MAP kinase p38 and c-Jun N-terminal kinase (JNK). Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.1.3.16; EC 3.1.3.48; Protein phosphatase, dual-specificity; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 8p12 Cellular Component: Golgi apparatus; mitochondrion; cytoplasm; nucleus Molecular Function: protein binding; p53 binding; phosphoserine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity; protein tyrosine phosphatase activity; phosphoprotein phosphatase activity Biological Process: positive regulation of cell adhesion; negative regulation of transcription from RNA polymerase II promoter; protein amino acid dephosphorylation
Research Articles on DUSP26	**1.** The study reports the 1.68 A crystal structure of a catalytically inactive mutant (Cys152Ser) of DUSP26 lacking the first 60 N-terminal residues (DeltaN60-C/S-DUSP26).
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