KDSR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KDSR, Polyclonal Antibody
Full Product Name	KDSR Antibody
Product Gene Name	anti-KDSR antibody
Product Synonym Names	3-ketodihydrosphingosine reductase (KDS reductase)(EC 1.1.1.102)(3-dehydrosphinganine reductase)(Follicular variant translocation protein 1)(FVT-1)
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	This antibody detects endogenous levels of KDSR at Human, Mouse
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	29,159 Da
OMIM	136440
3D Structure	ModBase 3D Structure for Q06136
Immunogen	Synthesized peptide derived from human KDSR
Modification	Unmodified/Total
Product Categories/Family for anti-KDSR antibody	Primary Antibodies
Applications Tested/Suitable for anti-KDSR antibody	Western Blot (WB)
Application Notes for anti-KDSR antibody	WB: 1:500-2000
Related Product Information for anti-KDSR antibody	MBS9523801 is an antibody targeting KDSR. Also known as KDSR Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-KDSR 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.

ADDITIONAL DETAILS

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

NCBI GI #	4503817

NCBI GeneID	2531
NCBI Accession #	NP_002026.1
UniProt Primary Accession #	Q06136
UniProt Secondary Accession #	B2R5Y1; B4DMX0
UniProt Related Accession #	Q06136
GenBank Nucleotide #	NM_002035.2
NCBI Official Full Name	3-ketodihydrosphingosine reductase
NCBI Official Synonym Full Names	3-ketodihydrosphingosine reductase
NCBI Official Symbol	KDSR
NCBI Official Synonym Symbols	DHSR; FVT1; SDR35C1
UniProt Protein Name	3-ketodihydrosphingosine reductase
UniProt Synonym Protein Names	3-dehydrosphinganine reductase; Follicular variant translocation protein 1; FVT-1
UniProt Gene Name	KDSR
UniProt Synonym Gene Names	FVT1; KDS reductase; FVT-1
UniProt Entry Name	KDSR_HUMAN
NCBI Protein Information	3-ketodihydrosphingosine reductase; 3-dehydrosphinganine reductase; FVT-1; KDS reductase; follicular lymphoma variant translocation 1; follicular variant translocation protein 1; short chain dehydrogenase/reductase family 35C, member 1
NCBI Summary for KDSR	The protein encoded by this gene catalyzes the reduction of 3-ketodihydrosphingosine to dihydrosphingosine. The putative active site residues of the encoded protein are found on the cytosolic side of the endoplasmic reticulum membrane. A chromosomal rearrangement involving this gene is a cause of follicular lymphoma, also known as type II chronic lymphatic leukemia. The mutation of a conserved residue in the bovine ortholog causes spinal muscular atrophy. [provided by RefSeq, Jul 2008]
UniProt Comments for KDSR	FVT1: Catalyzes the reduction of 3-ketodihydrosphingosine (KDS) to dihydrosphingosine (DHS). A chromosomal aberration involving KDSR is a cause of follicular lymphoma; also known as type II chronic lymphatic leukemia. Translocation t(2;18)(p11;q21) with a Ig J kappa chain region. Belongs to the short-chain dehydrogenases/reductases (SDR) family. Protein type: Lipid Metabolism - sphingolipid; Oxidoreductase; Membrane protein, multi-pass; Oncoprotein; EC 1.1.1.102; Membrane protein, integral Chromosomal Location of Human Ortholog: 18q21.3 Cellular Component: extracellular space; endoplasmic reticulum membrane; membrane; endoplasmic reticulum; integral to membrane Molecular Function: 3-dehydrosphinganine reductase activity Biological Process: sphingolipid metabolic process; sphingolipid biosynthetic process; 3-keto-sphinganine metabolic process
Research Articles on KDSR	**1.** FVT1 is significantly underexpressed by germinal center-type diffuse large B-cell lymphoma compared with non-germinal center-type DLBCL, follicular lymphoma, & normal tonsil control samples. Increased expression of FVT1 correlated with decreased survival.
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