DECR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DECR1, Polyclonal Antibody
Full Product Name	DECR1 Antibody
Product Gene Name	anti-DECR1 antibody
Product Synonym Names	DECR; NADPH; SDR18C1
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total DECR1 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	34,994 Da
OMIM	222745
3D Structure	ModBase 3D Structure for Q16698
Immunogen	Synthetic peptide corresponding to residues near the C terminal of human 2,4-dienoyl CoA reductase 1, mitochondrial
Product Categories/Family for anti-DECR1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DECR1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-DECR1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-DECR1 antibody	This gene encodes an accessory enzyme which participates in the beta-oxidation and metabolism of unsaturated fatty enoyl-CoA esters. Auxiliary enzyme of beta-oxidation. It participates in the metabolism of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA
Other Notes	Small volumes of anti-DECR1 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 DECR1 purchase	MBS8590865 is an antibody targeting DECR1. Also known as DECR1 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DECR1. It may not necessarily be applicable to this product.

NCBI GI #	4503301

NCBI GeneID	1666
NCBI Accession #	NP_001350.1
UniProt Primary Accession #	Q16698
UniProt Secondary Accession #	Q2M304; Q93085; B7Z6B8
UniProt Related Accession #	Q16698
GenBank Nucleotide #	NM_001359.1
NCBI Official Full Name	2,4-dienoyl-CoA reductase, mitochondrial
NCBI Official Synonym Full Names	2,4-dienoyl CoA reductase 1, mitochondrial
NCBI Official Symbol	DECR1
NCBI Official Synonym Symbols	DECR; NADPH; SDR18C1
UniProt Protein Name	2,4-dienoyl-CoA reductase, mitochondrial
UniProt Synonym Protein Names	2,4-dienoyl-CoA reductase [NADPH]; 4-enoyl-CoA reductase [NADPH]; Short chain dehydrogenase/reductase family 18C member 1
Protein Family	2,4-dienoyl-CoA reductase
UniProt Gene Name	DECR1
UniProt Synonym Gene Names	DECR; SDR18C1; 4-enoyl-CoA reductase [NADPH]
UniProt Entry Name	DECR_HUMAN
NCBI Protein Information	2,4-dienoyl-CoA reductase, mitochondrial; 4-enoyl-CoA reductase; short chain dehydrogenase/reductase family 18C member 1; short chain dehydrogenase/reductase family 18C, member 1
NCBI Summary for DECR1	This gene encodes an accessory enzyme which participates in the beta-oxidation and metabolism of unsaturated fatty enoyl-CoA esters. [provided by RefSeq, Jul 2008]
UniProt Comments for DECR1	DECR1: Auxiliary enzyme of beta-oxidation. It participates in the metabolism of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3- enoyl-CoA. Belongs to the short-chain dehydrogenases/reductases (SDR) family. 2,4-dienoyl-CoA reductase subfamily. Protein type: Oxidoreductase; Mitochondrial; EC 1.3.1.34 Chromosomal Location of Human Ortholog: 8q21.3 Cellular Component: nucleoplasm; mitochondrion; mitochondrial matrix; cytoplasm; nucleus Molecular Function: oxidoreductase activity, acting on NADH or NADPH; 2,4-dienoyl-CoA reductase (NADPH) activity Biological Process: fatty acid beta-oxidation; cellular lipid metabolic process; protein homotetramerization
Research Articles on DECR1	**1.** Our study is the first to demonstrate the novel function of UA in NET formation and may provide insight into the management of patients with hyperuricemia.
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