NDST3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NDST3, Polyclonal Antibody
Full Product Name	NDST3, CT (NDST3, HSST3, Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 3, Glucosaminyl N-deacetylase/N-sulfotransferase 3, N-heparan sulfate sulfotransferase 3, Heparan sulfate N-deacetylase 3, Heparan sulfate N-sulfotransferase 3) (MaxLig
Product Gene Name	anti-NDST3 antibody
Product Synonym Names	NDST3; HSST3; Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 3; Glucosaminyl N-deacetylase/N-sulfotransferase 3; N-heparan sulfate sulfotransferase 3; Heparan sulfate N-deacetylase 3; Heparan sulfate N-sulfotransferase 3
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 MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	100,902 Da
OMIM	603950
3D Structure	ModBase 3D Structure for O95803
Immunogen	NDST3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 808-836 amino acids from the C-terminal region of human NDST3.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-NDST3 antibody	Antibodies; Enzymes; Sulfotransferase
Applications Tested/Suitable for anti-NDST3 antibody	Western Blot (WB), FLISA
Application Notes for anti-NDST3 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-NDST3 antibody	This gene encodes a member of the heparan sulfate/heparin GlcNAc N-deacetylase/ N-sulfotransferase family. The encoded enzyme is a type II transmembrane protein that resides in the Golgi apparatus. This monomeric bifunctional enzyme catalyzes the N-deacetylation and N-sulfation of N-acetylglucosamine residues in heparan sulfate and heparin, which are the initial chemical modifications required for the biosynthesis of the functional oligosaccharide sequences that define the specific ligand binding activities of heparan sulfate and heparin.

Product References and Citations for anti-NDST3 antibody	Feng, T., et al. Hum. Genet. 128(3):269-280(2010). Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010). Krenn, E.C., et al. Biochem. Biophys. Res. Commun. 375(3):297-302(2008). Grobe, K., et al. Biochim. Biophys. Acta 1573(3):209-215(2002).
Other Notes	Small volumes of anti-NDST3 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 NDST3 purchase	MBS6324314 is an antibody targeting NDST3. Also known as NDST3, CT (NDST3, HSST3, Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 3, Glucosaminyl N-deacetylase/N-sulfotransferase 3, N-heparan sulfate sulfotransferase 3, Heparan sulfate N-deacetylase 3, Heparan sulfate N-sulfotransferase 3) (MaxLig. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDST3. It may not necessarily be applicable to this product.

NCBI GI #	4758766
NCBI GeneID	9348
NCBI Accession #	NP_004775.1
UniProt Primary Accession #	O95803
UniProt Secondary Accession #	Q4W5C1; Q4W5D0; Q6UWC5; Q9UP21; B4DI67
UniProt Related Accession #	O95803
GenBank Nucleotide #	NM_004784.2
NCBI Official Full Name	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 3
NCBI Official Synonym Full Names	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3
NCBI Official Symbol	NDST3
NCBI Official Synonym Symbols	HSST3
UniProt Protein Name	Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 3
UniProt Synonym Protein Names	Glucosaminyl N-deacetylase/N-sulfotransferase 3; NDST-3; hNDST-3; N-heparan sulfate sulfotransferase 3; N-HSST 3
Protein Family	Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase
UniProt Gene Name	NDST3
UniProt Synonym Gene Names	HSST3; NDST-3; hNDST-3; N-HSST 3
UniProt Entry Name	NDST3_HUMAN
NCBI Protein Information	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 3; NDST-3; hNDST-3; N-HSST 3; N-heparan sulfate sulfotransferase 3; GlcNAc N-deacetylase/ N-sulfotransferase 3; glucosaminyl N-deacetylase/N-sulfotransferase 3
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