NANP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NANP, Polyclonal Antibody
Full Product Name	NANP Antibody
Product Gene Name	anti-NANP antibody
Product Synonym Names	1600031M04Rik; C20orf147; dJ694B14.3; Haloacid dehalogenase like hydrolase domain containing 4; Haloacid dehalogenase like hydrolase domain containing protein 4; Haloacid dehalogenase-like hydrolase domain-containing protein 4; HDHD4; MGC103377; MGC105812; MGC26833; N acetylneuraminic acid phosphatase; N acylneuraminate 9 phosphatase; N-acylneuraminate-9-phosphatase; Nanp; NANP_HUMAN; Neu5Ac 9 Pase; Neu5Ac-9-Pase; OTTMUSP00000016814; RGD1306009; RP23-193L22.6
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Concentration	1mg/ml (lot specific)
Specificity	NANP Antibody detects endogenous levels of total NANP.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	NANP peptide (MBS9631477) is used for blocking the activity of NANP antibody (MBS9629094)
Molecular Weight	27,813 Da
OMIM	610763
3D Structure	ModBase 3D Structure for Q8TBE9
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from Human MYOCD.
Conjugation	Unconjugated
Similarity	Belongs to the HAD-like hydrolase superfamily. NANP family.
Product Categories/Family for anti-NANP antibody	Primary
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NANP antibody	ELISA (EIA)(peptide)
Application Notes for anti-NANP antibody	ELISA(peptide): 1:20000-1:40000
Related Product Information for anti-NANP antibody	MBS9629094 is an antibody targeting NANP. Also known as NANP Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

Other Notes	Small volumes of anti-NANP 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 NANP. It may not necessarily be applicable to this product.

NCBI GI #	23308749
NCBI GeneID	140838
NCBI Accession #	NP_689880.1
UniProt Primary Accession #	Q8TBE9
UniProt Secondary Accession #	Q5JYN8; Q8TE97; Q9Y3N0; B3KP12
UniProt Related Accession #	Q8TBE9
GenBank Nucleotide #	NM_152667.2
NCBI Official Full Name	N-acylneuraminate-9-phosphatase
NCBI Official Synonym Full Names	N-acetylneuraminic acid phosphatase
NCBI Official Symbol	NANP
NCBI Official Synonym Symbols	HDHD4; C20orf147; dJ694B14.3
UniProt Protein Name	N-acylneuraminate-9-phosphatase
UniProt Synonym Protein Names	Haloacid dehalogenase-like hydrolase domain-containing protein 4; Neu5Ac-9-Pase
Protein Family	N-acylneuraminate-9-phosphatase
UniProt Gene Name	NANP
UniProt Synonym Gene Names	C20orf147; HDHD4
UniProt Entry Name	NANP_HUMAN
NCBI Protein Information	N-acylneuraminate-9-phosphatase; Neu5Ac-9-Pase; haloacid dehalogenase-like hydrolase domain containing 4; haloacid dehalogenase-like hydrolase domain-containing protein 4
UniProt Comments for NANP	HDHD4: Belongs to the HAD-like hydrolase superfamily. NANP family. Protein type: Carbohydrate Metabolism - amino sugar and nucleotide sugar; EC 3.1.3.29; Phosphatase (non-protein) Chromosomal Location of Human Ortholog: 20p11.1 Cellular Component: cytosol Molecular Function: N-acylneuraminate-9-phosphatase activity Biological Process: N-acetylglucosamine biosynthetic process; N-acetylneuraminate biosynthetic process; cellular protein metabolic process; dephosphorylation; dolichol-linked oligosaccharide biosynthetic process; protein amino acid N-linked glycosylation via asparagine; post-translational protein modification
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