

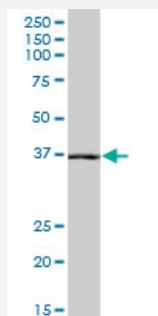
MaxPab®

NANS purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00054187-B01P

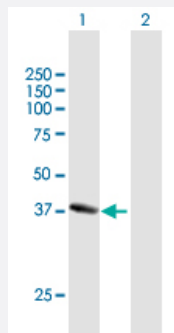
Size 50 ug

Applications



Western Blot (Tissue lysate)

NANS MaxPab polyclonal antibody. Western Blot analysis of NANS expression in human pancreas.



Western Blot (Transfected lysate)

Western Blot analysis of NANS expression in transfected 293T cell line ([H00054187-T01](#)) by NANS MaxPab polyclonal antibody.

Lane 1: NANS transfected lysate(39.49 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human NANS protein.

Immunogen

NANS (NP_061819.2, 1 a.a. ~ 359 a.a) full-length human protein.

Sequence

MPLELELCPRWVGGQHPCFIIAEIGQNHQGDLDVAKRMIRMAKECGADCAKFQKSELEFKFNR
KALERPYTSKHSWGKTYGEHKRHLEFSDQYRELQRYAEEVGIFFTASGMDMAVEFLHELNV
FFKVGSGDTNFPYLEKTAKKGRPMVISSGMQSMQVYQVKPLNPNFCFLQCTSAAYPLQP
EDVNLRVISEYQKLFPDIPIGYSGHETGIAISVAVALGAKVLERHITLDTWKGSDHSASLEPGELA
ELVRSVRLVERALGSPKQLLPCEMACNEKLGKSVVAKVKIPEGTILTMMLTVKVGEPKGYPE
DIFNLVGKKVLVTVEEDDIMEELVDNHGKKIKS

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

NANS MaxPab polyclonal antibody. Western Blot analysis of NANS expression in human pancreas.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of NANS expression in transfected 293T cell line ([H00054187-T01](#)) by NANS MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — NANS

Entrez GeneID	54187
GeneBank Accession#	NM_018946.2
Protein Accession#	NP_061819.2
Gene Name	NANS
Gene Alias	SAS
Gene Description	N-acetylneuraminic acid synthase
Omim ID	605202
Gene Ontology	Hyperlink

Gene Summary

This gene encodes an enzyme that functions in the biosynthetic pathways of sialic acids. In vitro, the encoded protein uses N-acetylmannosamine 6-phosphate and mannose 6-phosphate as substrates to generate phosphorylated forms of N-acetylneuraminic acid (Neu5Ac) and 2-keto-3-deoxy-D-glycero-D-galacto-nononic acid (KDN), respectively; however, it exhibits much higher activity toward the Neu5Ac phosphate product. In insect cells, expression of this gene results in Neu5Ac and KDN production. This gene is related to the E. coli sialic acid synthase gene neuB, and it can partially restore sialic acid synthase activity in an E. coli neuB-negative mutant. [provided by RefSeq]

Other Designations

N-acetylneuraminic acid phosphate synthase|OTTHUMP00000021769|sialic acid phosphate synthase|sialic acid synthase

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Metabolic pathways](#)