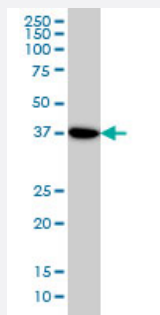


NANS monoclonal antibody (M01), clone 3G6

Catalog # H00054187-M01

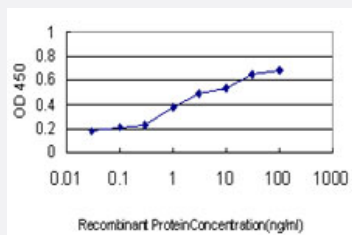
Size 100 ug

Applications



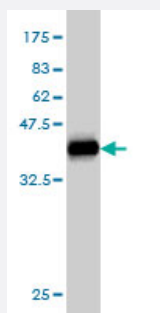
Western Blot (Cell lysate)

NANS monoclonal antibody (M01), clone 3G6 Western Blot analysis of NANS expression in HeLa (Cat # L013V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NANS is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant NANS.

Immunogen	NANS (NP_061819, 260 a.a. ~ 359 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AELVRSVRLVERALGSPTKQLLPCEMACNEKLGKSVVAKVKIPEGTILTMDMLTVKVGEPKGYPP EDIFNLVGKKVLVTVEEDDTIMEELVDNHGKKIKS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
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 (Cell lysate)

NANS monoclonal antibody (M01), clone 3G6 Western Blot analysis of NANS expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NANS is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NANS

Entrez GeneID [54187](#)

GeneBank Accession#	NM_018946
Protein Accession#	NP_061819
Gene Name	NANS
Gene Alias	SAS
Gene Description	N-acetylneuraminic acid synthase
Omim ID	605202
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	N-acetylneuraminic acid phosphate synthase OTTHUMP00000021769 sialic acid phosphate synthase sialic acid synthase

Pathway

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