10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NANS Antibody (clone AT1G6)

Mouse Monoclonal Antibody
Catalog # ALS15724

Specification

NANS Antibody (clone AT1G6) - Product Information

Application	**WB, IHC**
Primary Accession	Q9NR45
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**40kDa KDa**

NANS Antibody (clone AT1G6) - Additional Information

Gene ID 54187

Other Names
Sialic acid synthase, N-acetylneuraminate synthase, 2.5.1.56, N-acetylneuraminate-9-phosphate synthase, 2.5.1.57, N-acetylneuraminic acid phosphate synthase, N-acetylneuraminic acid synthase, NANS, SAS

Target/Specificity
Human NANS

Reconstitution & Storage
Can be stored at 4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

Precautions
NANS Antibody (clone AT1G6) is for research use only and not for use in diagnostic or therapeutic procedures.

NANS Antibody (clone AT1G6) - Protein Information

Name NANS

Synonyms SAS

Function
Produces N-acetylneuraminic acid (Neu5Ac) and 2-keto-3-deoxy- D-glycero-D-galacto-nononic acid (KDN) (PubMed:10749855, PubMed:27213289). Can also use N-acetylmannosamine 6-phosphate and mannose 6-phosphate as substrates to generate phosphorylated forms of Neu5Ac and KDN, respectively (PubMed:10749855).

Tissue Location

Ubiquitous..

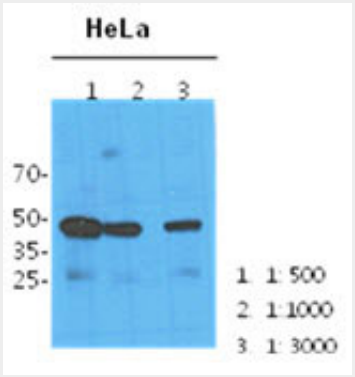
Volume
50 µl

NANS Antibody (clone AT1G6) - Protocols

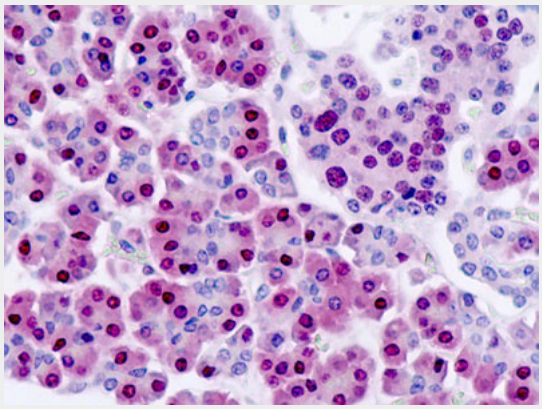
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NANS Antibody (clone AT1G6) - Images



Western Blot: The cell lysates (40 ug) were resolved by SDS-PAGE, transferred to PVDF membrane...



Anti-NANS antibody IHC staining of human pancreas.

NANS Antibody (clone AT1G6) - Background

Produces N-acetylneuraminic acid (Neu5Ac) and 2-keto-3- deoxy-D-glycero-D-galacto-nononic acid (KDN). Can also use N- acetylmannosamine 6-phosphate and mannose 6-phosphate as substrates

to generate phosphorylated forms of Neu5Ac and KDN, respectively.

NANS Antibody (clone AT1G6) - References

Lawrence S.M.,et al.J. Biol. Chem. 275:17869-17877(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
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