

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..

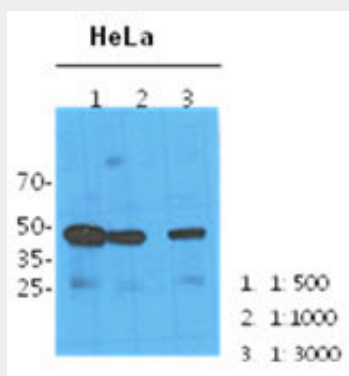
Volume
50 µl

NANS Antibody (clone AT1G6) - Protocols

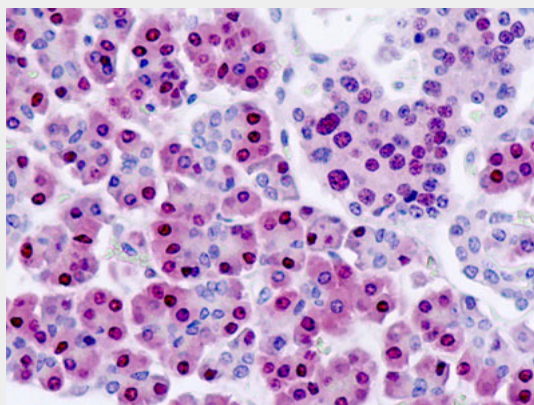
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.

Bienvenut W.V.,et al.Submitted (JAN-2010) to UniProtKB.