

NANS antibody

Catalog No: #22042

Package Size: #22042 100ul

Description

Product Name	NANS antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 54 and 341 of NANS
Conjugates	Unconjugated
Target Name	NANS
Other Names	SAS
Accession No.	Swiss-Prot:Q9NR45Gene ID:54187
Concentration	0.2mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

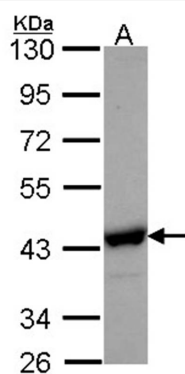
Application Details

Predicted MW: 40kd

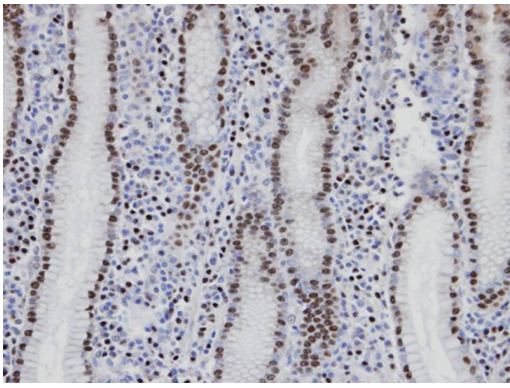
Western blotting: 1:500-1:3000

Immunohistochemistry: 1:100-1:250

Images



Sample (30 ug of whole cell lysate)
A: Hep G2
10% SDS PAGE
NANS antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded normal gastric epithelium (gland), using NANS antibody at 1: 100 dilution.

Background

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]

Note: This product is for in vitro research use only and is not intended for use in humans or animals.