

For Research Use Only

NANS Polyclonal antibody

Catalog Number: 15163-1-AP

1 Publications



Basic Information

Catalog Number:

15163-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7271

GenBank Accession Number:

BC000008

GeneID (NCBI):

54187

UNIPROT ID:

Q9NR45

Full Name:

N-acetylneuraminic acid synthase

Calculated MW:

40 kDa

Observed MW:

35-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HepG2 cells, human brain tissue

IP : HepG2 cells,

IHC : human stomach cancer tissue,

Background Information

The sialic acids are a family of 9-carbon 2-keto-3-deoxy sugars. They are frequently the terminal sugars on secreted and cell surface glycoproteins and glycolipids. Sialic acids participate in many important biologic recognition events. NANS can also use N-acetylmannosamine 6-phosphate and mannose 6-phosphate as substrates to generate phosphorylated forms of Neu5Ac and KDN, respectively.

Notable Publications

Author	Pubmed ID	Journal	Application
Qianhua Wu	37541419	Exp Cell Res	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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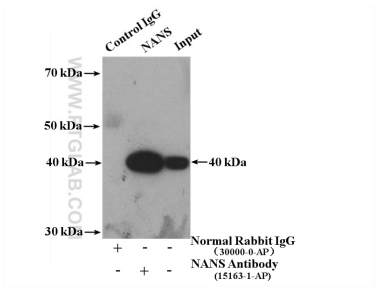
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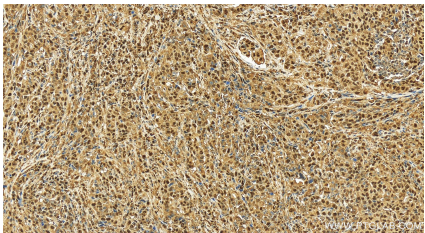
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 15163-1-AP (NANS antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-NANS (IP:15163-1-AP, 4ug; Detection:15163-1-AP 1:500) with HepG2 cells lysate 3300 ug.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 15163-1-AP (NANS antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).