

For Research Use Only

NANS Polyclonal antibody

Catalog Number: 15163-1-AP **1 Publications**



Basic Information

Catalog Number: 15163-1-AP	GenBank Accession Number: BC000008	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 54187	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: N-acetylneuraminic acid synthase	IP 0.5-4.0 ug for IP and 0.5-4.0 ug for WB
Isotype: IgG	Calculated MW: 40 kDa	IHC 1:50-1:500
Immunogen Catalog Number: AG7271	Observed MW: 35-40 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, human brain tissue
Cited Applications: IHC	IP : HepG2 cells,
Species Specificity: human, mouse, rat	IHC : human ovary tumor tissue, human stomach cancer tissue, human pancreas cancer tissue
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

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

*** 20ul sizes contain 0.1% BSA

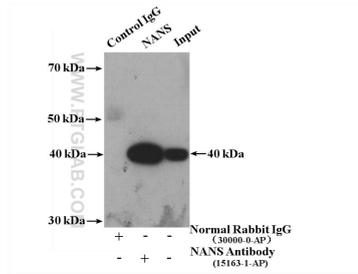
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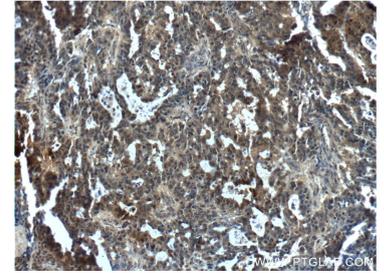
Selected Validation Data



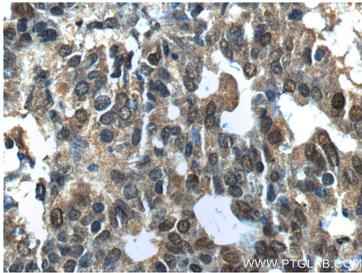
HeLa cells were subjected to SDS PAGE followed by western blot with 15163-1-AP (NANS antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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 ovary tumor tissue slide using 15163-1-AP (NANS Antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 15163-1-AP (NANS Antibody) at dilution of 1:100 (under 40x lens).