

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: 400 µg/ml	GeneID (NCBI): 54187	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NR45	
Isotype: IgG	Full Name: N-acetylneuraminic acid synthase	
Immunogen Catalog Number: AG7271	Calculated MW: 40 kDa	
	Observed MW: 35-40 kDa	

Applications

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

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

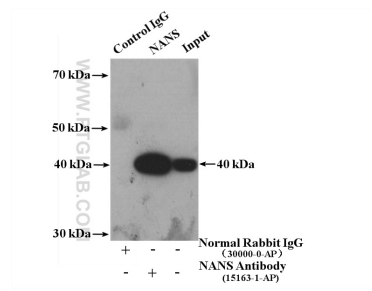
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

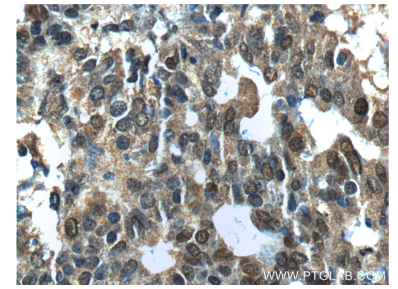
Selected Validation Data



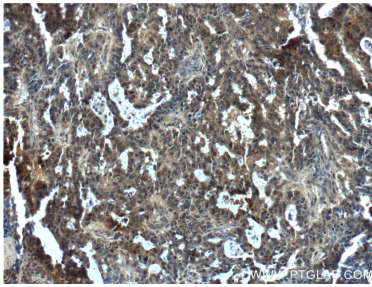
HeLa cells were subjected to SDS PAGE followed by western blot with 15163-1-AP (NANS antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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 40x lens).



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