

For Research Use Only

# NANS Polyclonal antibody

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



## Basic Information

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

## Applications

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

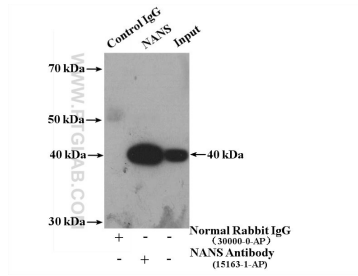
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

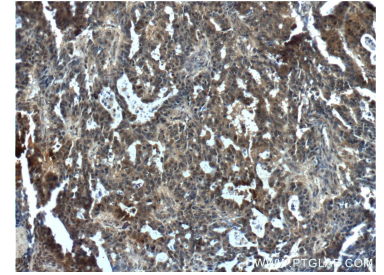
## Selected Validation Data



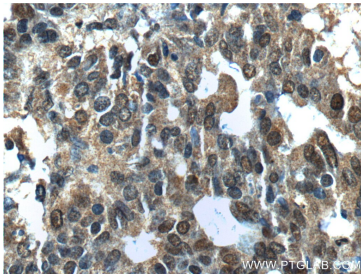
HeLa cells were subjected to SDS PAGE followed by western blot with 15163-1-AP (NANS antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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 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).