

Datasheet for ABIN7169549
anti-NANS antibody (AA 132-259)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	NANS
Binding Specificity:	AA 132-259
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NANS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Sialic acid synthase protein (132-259AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NANS
Alternative Name:	NANS (NANS Products)
Background:	Background: Produces N-acetylneuraminic acid (Neu5Ac) and 2-keto-3-deoxy-D-glycero-D-galacto-nononic acid (KDN). Can also use N-acetylmannosamine 6-phosphate and mannose 6-

Target Details

phosphate as substrates to generate phosphorylated forms of Neu5Ac and KDN, respectively.

Aliases: EC 2.5.1.56 antibody, EC 2.5.1.57 antibody, N acetylneuraminate 9 phosphate synthase antibody, N acetylneuraminate synthase antibody, N acetylneuraminic acid phosphate synthase antibody, N acetylneuraminic acid synthase antibody, N-acetylneuraminate synthase antibody, N-acetylneuraminate-9-phosphate synthase antibody, N-acetylneuraminic acid phosphate synthase antibody, N-acetylneuraminic acid synthase antibody, NANS antibody, OTTHUMP00000021769 antibody, SAS antibody, Sialic acid phosphate synthase antibody, Sialic acid synthase antibody, SIAS_HUMAN antibody

UniProt: [Q9NR45](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

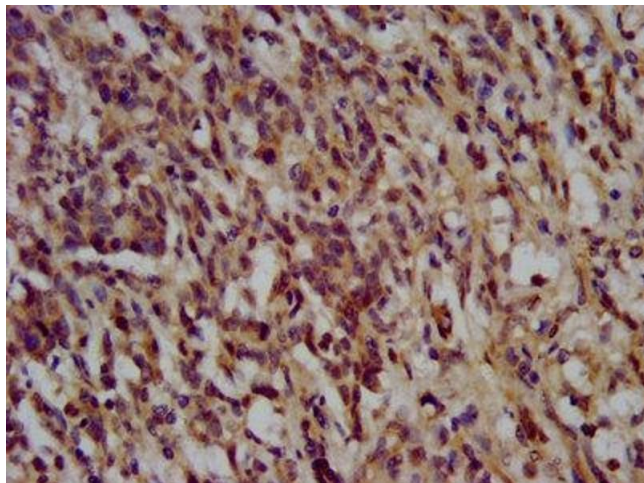
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

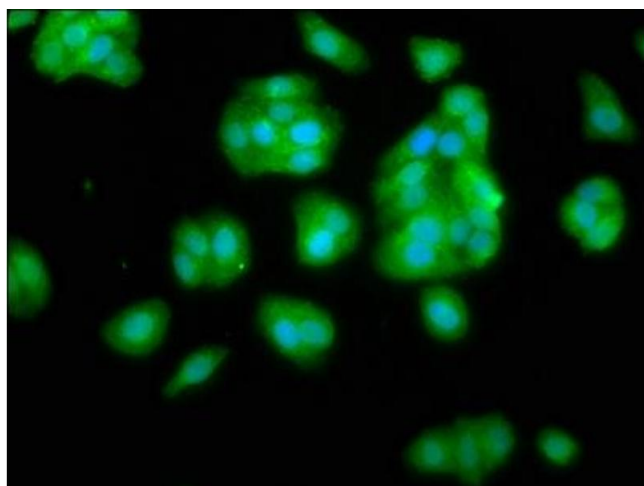
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



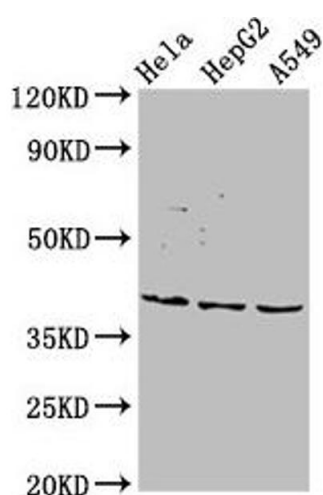
Immunohistochemistry

Image 1. IHC image of ABIN7169549 diluted at 1:200 and staining in paraffin-embedded human gastric cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 2. Immunofluorescence staining of HepG2 cells with ABIN7169549 at 1:66, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 3. Western Blot Positive WB detected in: HeLa whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate. All lanes: NANS antibody at 5.5 µg/mL. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 41 kDa. Observed band size: 41 kDa.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7169549.