

Rabbit anti-Human NANS Polyclonal Antibody | anti-NANS antibody

NANS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234520	Rabbit	Human	Immunofluorescence, Western Blot, ELISA

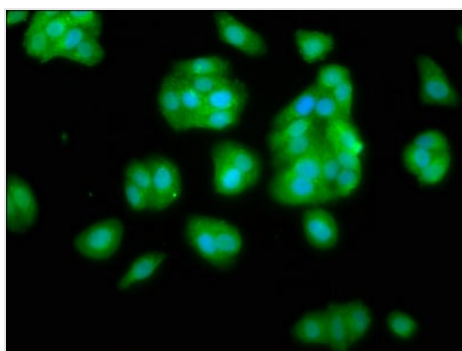
PRODUCT SYNONYMS

NANS; Polyclonal Antibody; NANS Antibody; Sialic acid synthase; N-acetylneuraminate synthase; N-acetylneuraminic acid phosphate synthase; N-acetylneuraminic acid synthase; N-acetylneuraminate-9-phosphate synthase; SAS; anti-NANS antibody

PRODUCT SPECIFICATIONS

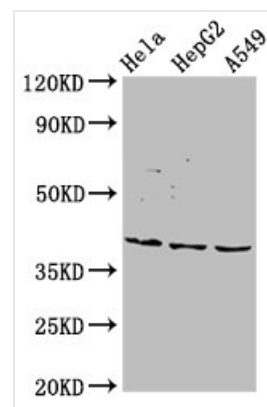
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	359
Applicable Applications for anti-NANS antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant Human Sialic acid synthase protein (132-259AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA234520 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 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-NANS antibody	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-phosphate as substrates to generate phosphorylated forms of Neu5Ac and KDN, respectively.
Product Categories/Family for anti-NANS antibody	Cancer; Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	12056473
NCBI GeneID	54187
NCBI Accession #	NP_061819.2
NCBI GenBank Nucleotide #	NM_018946.3
UniProt Accession #	Q9NR45; Q8WUV9; Q9BWS6; Q9NVD4; B2RE98
Molecular Weight	40,308 Da
NCBI Official Full Name	sialic acid synthase
NCBI Official Synonym Full Names	N-acetylneuraminate synthase
NCBI Official Symbol	NANS
NCBI Official Synonym Symbols	SAS; SEMDG; SEMDCG; HEL-S-100
NCBI Protein Information	sialic acid synthase
UniProt Protein Name	Sialic acid synthase
UniProt Gene Name	NANS
UniProt Synonym Gene Names	SAS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nans-antibody-immunofluorescence-western-blot-elisa/234520>