

Datasheet for ABIN2790121
anti-NANS antibody (C-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	NANS
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Cow, Dog, Rabbit, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NANS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	DMLTVKVGEP KGYPPEDIFN LVGKKVLVTV EEDDTIMEEL VDNHGKKIKS
Predicted Reactivity:	Cow: 86%, Dog: 79%, Human: 100%, Pig: 86%, Rabbit: 79%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against NANS. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	NANS
Alternative Name:	NANS (NANS Products)
Background:	This gene encodes an enzyme that functions in the biosynthetic pathways of sialic acids. In vitro, the encoded protein uses N-acetylmannosamine 6-phosphate and mannose 6-phosphate

Target Details

as substrates to generate phosphorylated forms of N-acetylneuraminic acid (Neu5Ac) and 2-keto-3-deoxy-D-glycero-D-galacto-nononic acid (KDN), respectively, however, it exhibits much higher activity toward the Neu5Ac phosphate product. In insect cells, expression of this gene results in Neu5Ac and KDN production. This gene is related to the E. coli sialic acid synthase gene neuB, and it can partially restore sialic acid synthase activity in an E. coli neuB-negative mutant.

Alias Symbols: SAS

Protein Interaction Partner: SUMO2, UBC, NEDD8, ATG3, SMEK2, CNBP2, POLE3, DAK, NPEPPS, SLC9A3R1, RPLP2, MVD, PDIA3, GBP2, EIF4E, CKB, ASS1, BAG3, HSP90AB1, HSP90AA1, PCMT1, CRK, RAD23B, DDA1,

Protein Size: 359

Molecular Weight: 40 kDa

Gene ID: 54187

NCBI Accession: [NM_018946](#), [NP_061819](#)

UniProt: [Q9NR45](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 359 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

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

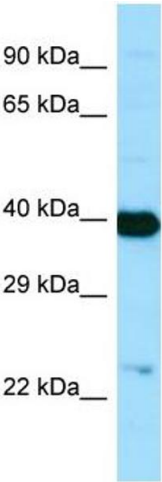
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1.