

Datasheet for ABIN2790122  
**anti-NANS antibody (Middle Region)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	NANS
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Dog, Rabbit, Guinea Pig, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NANS antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Sequence:	GSGDTNNFPY LEKTAKKGRP MVISSGMQSM DTMKQVYQIV KPLNPNFCFL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 100%
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 ( <a href="#">NANS Products</a> )
Background:	This gene encodes an enzyme that functions in the biosynthetic pathways of sialic acids. In

## Target Details

vitro, the encoded protein uses N-acetylmannosamine 6-phosphate and mannose 6-phosphate 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, CNDP2, 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
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Gene ID:	54187
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NCBI Accession:	<a href="#">NM_018946</a> , <a href="#">NP_061819</a>
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UniProt:	<a href="#">Q9NR45</a>
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## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 359 AA
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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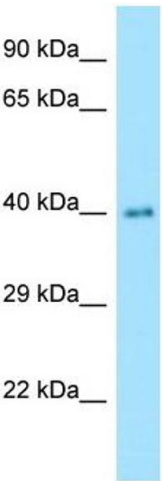
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Handling

Storage:	-20 °C
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.**