

Datasheet for ABIN6144350  
**anti-NANS antibody (AA 260-359)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	100 µL
Target:	NANS
Binding Specificity:	AA 260-359
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NANS antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 260-359 of human NANS (NP_061819.2).
Sequence:	AELVRSVRLV ERALGSPTKQ LLPCEMACNE KLGKSVVAKV KIPEGTILTM DMLTVKVGEP KGYPPEIDIFN LVGKKVLVTV EEDDTIMEEL VDNHGKIKS
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	NANS
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## Target Details

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Alternative Name: [NANS \(NANS Products\)](#)

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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 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.,NANS,HEL-S-100,SAS,SEMDCG,SEMDG,Cancer,Signal Transduction,Endocrine & Metabolism,NANS

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Molecular Weight: 40 kDa

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Gene ID: 54187

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UniProt: [Q9NR45](#)

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## Application Details

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Application Notes: WB,1:500 - 1:2000

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Comment: HIGH QUALITY

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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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.

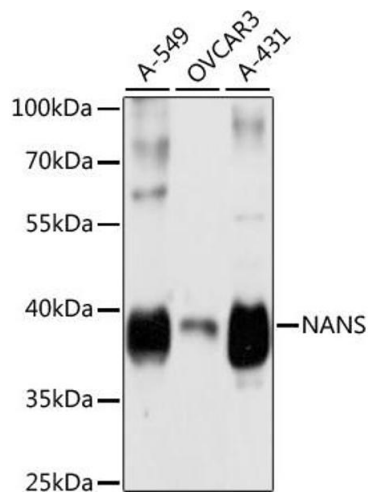
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Storage: -20 °C

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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using NANS antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.