

**DATASHEET**

**NANS Rabbit Polyclonal Antibody**

CAT. NO. APA16246

**KEY FEATURES**

Target	NANS	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

**BACKGROUND**

Catalyzes the condensation of phosphoenolpyruvate (PEP) and N-acetylmannosamine 6-phosphate (ManNAc-6-P) to synthesize N-acetylneuraminate-9-phosphate (Neu5Ac-9-P) and N-acetylmannosamine 6-phosphate (ManNAc-6-P) to synthesize N-acetylneuraminate-9-phosphate (Neu5Ac-9-P) . Also catalyzes the condensation of PEP and D-mannose 6-phosphate (Man-6-P) to produce 3-deoxy-D-glycero-beta-D-galacto-non-2-ulopyranosonate 9-phosphate (KDN-9-P) . Neu5Ac-9-P and KDN-9-P are the phosphorylated forms of sialic acids N-acetylneuraminic acid (Neu5Ac) and deaminoneuraminic acid (KDN), respectively . Required for brain and skeletal development .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

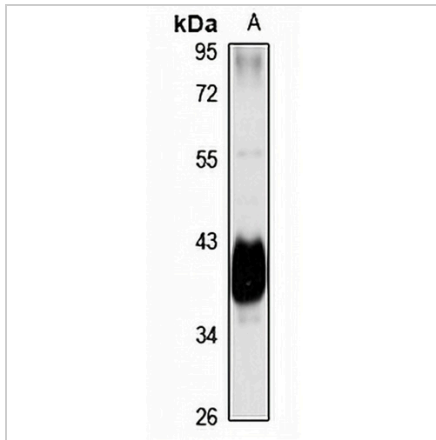
Description	Rabbit polyclonal antibody to NANS
Specificity	Recognizes endogenous levels of NANS protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human NANS. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 40 kD; Observed: 40 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	SAS; Sialic acid synthase; N-acetylneuraminate synthase; N-acetylneuraminate-9-phosphate synthase; N-acetylneuraminic acid phosphate synthase; N-acetylneuraminic acid synthase
Gene Symbol	NANS
Entrez Gene	54187(Human)
SwissProt	Q9NR45(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of NANS expression in A431 (A) whole cell lysates. (Predicted band size: 40 kD; Observed band size: 40 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.