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# NANS Rabbit pAb

货号: **AYP15178**

## 产品信息

反应	Human
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	<b>WB:</b> 1:500 - 1:2000
理论分子量	40kDa
实测分子量	40kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal, 50% glycerol, pH7.3.
偶联物	Unconjugated
阳性对照	A-549, OVCAR3, A-431
细胞定位	cytoplasm, cytosol, extracellular exosome
纯化	Affinity purification

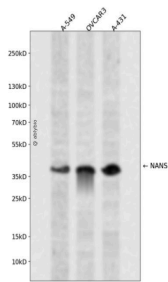
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 260-359 of human NANS (NP_061819.2).
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## 靶点信息

研究背景	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-galactononic 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.
基因ID	54187
基因名	NANS
Swiss	Q9NR45 ( <a href="https://www.uniprot.org/uniprotkb/Q9NR45/entry">https://www.uniprot.org/uniprotkb/Q9NR45/entry</a> )
别名	NANS,HEL-S-100,SAS,SEMDCG,SEMDG,NANS Rabbit pAb,3-deoxy-D-glycero-D-galactononate 9-phosphate synthase,N-acetylneuraminic acid phosphate synthase,Sialic acid phosphate synthase,Sialic acid synthase

## 产品验证



Western blot analysis of NANS expressed in A-549,OVCAR3,A-431 using NANS Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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