

Datasheet for ABIN7601874
anti-NANP antibody (AA 5-246)



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Overview

Quantity:	100 µg
Target:	NANP
Binding Specificity:	AA 5-246
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NANP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NANP Antibody Picoband®
Immunogen:	E.coli-derived human NANP recombinant protein (Position: R5-M246).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NANP Antibody Picoband® (ABIN7601874). Tested in ELISA, IHC, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NANP
Alternative Name:	NANP (NANP Products)
Background:	<p>Synonyms: One cut domain family member 2, Hepatocyte nuclear factor 6-beta, HNF-6-beta, One cut homeobox 2, Transcription factor ONECUT-2, OC-2, ONECUT2, HNF6B</p> <p>Tissue Specificity: Predominantly expressed in testis and placenta as well as in many cell lines, including epithelial cell lines.</p> <p>Background: NANP (N-acylneuraminate-9-phosphatase), also known as HDHD4 (Haloacid dehalogenase-like hydrolase domain-containing protein 4), is a 248 amino acid protein that belongs to the haloacid dehalogenase (HAD) family and is responsible for dephosphorylating Neu5Ac-9-phosphate to form N-acetylneuraminate. Characteristic of the HAD phosphatase family, the catalytic activity of NANP is dependent upon the presence of magnesium and is inhibited by vanadate and calcium.</p>
Molecular Weight:	30 kDa
Gene ID:	140838

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Maliekal, P., Vertommen, D., Delpierre, G., Van Schaftingen, E. Identification of the sequence encoding N-acetylneuraminate-9-phosphate phosphatase. Glycobiology 16: 165-172, 2006.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.

It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.