Datasheet for ABIN7601416

anti-NT5C antibody (AA 35-179)

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Overview

Quantity:	100 µg
Target:	NT5C
Binding Specificity:	AA 35-179
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NT5C Antibody Picoband®
Immunogen:	E.coli-derived human NT5C recombinant protein (Position: H35-R179).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NT5C Antibody Picoband® (ABIN7601416). Tested in ELISA, IHC, WB, Flow Cytometry applications. This antibody reacts with Human. 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:	NT5C
Alternative Name:	NT5C (NT5C Products)
Background:	Synonyms: RNA-binding protein Nova-2, Astrocytic NOVA1-like RNA-binding protein, Neuro-oncological ventral antigen 2, NOVA2, ANOVA, NOVA3 Tissue Specificity: Brain. Expression restricted to astrocytes. Background: 5', 3'-nucleotidase, cytosolic, also known as 5'(3')-deoxyribonucleotidase, cytosolic type (cdN) or deoxy-5'-nucleotidase 1 (dNT-1), is an enzyme that in humans is encoded by the NT5C gene on chromosome 17. This gene encodes a nucleotidase that catalyzes the dephosphorylation of the 5' deoxyribonucleotides (dNTP) and 2'(3')-dNTP and ribonucleotides, but not 5' ribonucleotides. Of the different forms of nucleotidases characterized, this enzyme is unique in its preference for 5'-dNTP. It may be one of the enzymes involved in regulating the size of dNTP pools in cells. Alternatively spliced transcript variants have been found for this gene.
Molecular Weight:	24 kDa
Gene ID:	30833

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 1-2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Anderson, J. A., Teng, Y.-S., Giblett, E. R. Stains for six enzymes potentially applicable to chromosomal assignment by cell hybridization. Cytogenet. Cell Genet. 14: 295-299, 1975. 2. Hoglund, L., Reichard, P. Cytoplasmic 5-prime(3-prime)-nucleotidase from human placenta. J. Biol. Chem. 265: 6589-6595, 1990. 3. Paglia, D. E., Valentine, W. N., Brockway, R. A. Identification of thymidine nucleotidase and deoxyribonucleotidase activities among normal isozymes of 5-prime-nucleotidase in human erythrocytes. Proc. Nat. Acad. Sci. 81: 588-592, 1984.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
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.