

Rabbit anti-Human NT5C Polyclonal Antibody | anti-NT5C antibody

Anti-NT5C Antibody Picoband

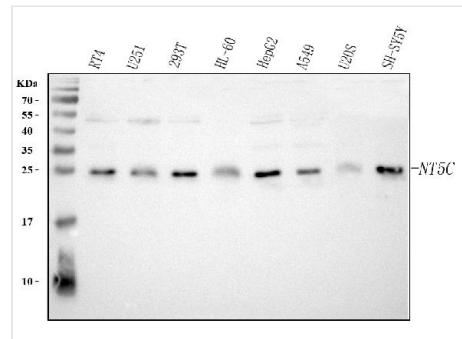
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19949	Rabbit	Human	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

NT5C; Polyclonal Antibody; Anti-NT5C Antibody Picoband; Aquaporin-6; NOVA alternative splicing regulator 2; RNA-binding protein Nova-2; Astrocytic NOVA1-like RNA-binding protein; Neuro-oncological ventral antigen 2; NOVA2; ANOVA; NOVA3; anti-NT5C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Brain. Expression restricted to astrocytes.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NT5C antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human IHC(Paraffin-embedded Section), 1-2ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human NT5C recombinant protein (Position: H35-R179).
Subcellular Localization	Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	May regulate RNA splicing or metabolism in a specific subset of developing neurons. Binds single strand RNA.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of NT5C using anti-NT5C antibody (AAA19949).NT5C was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NT5C Antibody (AAA19949) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit gG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NT5C Antibody (AAA19949) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NT5C Antibody (AAA19949) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NT5C Antibody (AAA19949) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NT5C Antibody (AAA19949) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution).

Lane 1: human U251 whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: human HL-60 whole cell lysates,Lane 4: human HepG2 whole cell lysates,Lane 5: human A549 whole cell lysates,Lane 6: human U2OS whole cell lysates,Lane 7: human SH-SY5Y whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NT5C antigen affinity purified polyclonal antibody (#AAA19949) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NT5C at approximately 24 kDa. The expected band size for NT5C is at 24 kDa.

Related Product Information for anti-NT5C antibody	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.
Product Categories/Family for anti-NT5C antibody	Primary Antibodies ; Channels ; Metabolism ; Plasma Membrane ; Signal Transduction
References	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657033
NCBI GeneID	30833
NCBI Accession #	NP_055410
NCBI GenBank Nucleotide #	NM_014595
UniProt Accession #	Q8TCD5; Q96HS6; Q9NP82
Molecular Weight	13,299 Da
NCBI Official Full Name	5'(3')-deoxyribonucleotidase, cytosolic type isoform 1
NCBI Official Synonym Full Names	5', 3'-nucleotidase, cytosolic
NCBI Official Symbol	NT5C
NCBI Official Synonym Symbols	DNT; cdN; DNT1; P5N2; PN-I; HEL74; PN-II; UMPH2; dNT-1
NCBI Protein Information	5'(3')-deoxyribonucleotidase, cytosolic type; 5'(3')-deoxyribonucleotidase, cytosolic type; 5' nucleotidase, deoxy (pyrimidine), cytosolic type C; cytosolic 5',3'-pyrimidine nucleotidase; deoxy-5'-nucleotidase 1; epididymis luminal protein 74; uridine 5'-
UniProt Protein Name	5'(3')-deoxyribonucleotidase, cytosolic type
UniProt Gene Name	NT5C
UniProt Synonym Gene Names	DNT1; UMPH2; dNT-1
UniProt Entry Name	NT5C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/nt5c-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/19949>