

Rabbit anti-Human, Mouse NT5C3 Polyclonal Antibody | anti-NT5C3 antibody

NT5C3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321058	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NT5C3; Polyclonal Antibody; NT5C3 Antibody; 5NT3A_HUMAN; cN III; cN-III; cNIII; Cytosolic 5' nucleotidase 3; Cytosolic 5' nucleotidase III; Cytosolic 5"-nucleotidase 3; Cytosolic 5"-nucleotidase 3A; Cytosolic 5"-nucleotidase III; Nt5c3a; p36; P5"N-1; P5'N 1; P5'N1; P5N 1; P5N-1; P5N1; PN I; PN-I; PNI; PSN1; Pyrimidine 5' nucleotidase 1; Pyrimidine 5"-nucleotidase 1; UMPH; UMPH1; Uridine 5' monophosphate hydrolase 1; Uridine 5"-monophosphate hydrolase 1; anti-NT5C3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	NT5C3 antibody detects endogenous levels of NT5C3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	297
Applicable Applications for anti-NT5C3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NT5C3
Subcellular Location	Cytoplasm and Endoplasmic Reticulum.
Tissue Specificity	Isoforms 1, 3 and 4 are expressed in reticulocytes. Isoform 4 is hardly detectable in bone marrow and fetal liver.
Predicted Cross Reactivity	Pig, Horse, Sheep, Chicken
Similarity	Pig (90%), Horse (100%), Sheep (100%), Chicken (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321058 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA321058 at 1/100 staining human Lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis on Jurkat cell lysate using NT5C3 Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NT5C3 antibody

Description: Pyrimidine 5-prime-nucleotidase (P5N; EC 3.1.3.5), also called uridine 5-prime monophosphate hydrolase (UMPH), catalyzes the dephosphorylation of the pyrimidine 5-prime monophosphates UMP and CMP to the corresponding nucleosides. There are 2 isozymes of pyrimidine 5-prime nucleotidase in red blood cells, referred to as type I (UMPH1) and type II (UMPH2; MIM 191720). The 2 enzymes are not separable by electrophoresis in humans but have distinct kinetic properties, and the proteins show no homology.

Function: Nucleotidase which shows specific activity towards cytidine monophosphate (CMP) and 7-methylguanosine monophosphate (m7GMP) (PubMed:24603684). CMP seems to be the preferred substrate (PubMed:15968458).

Subunit Structure: Monomer.

Similarity: Belongs to the pyrimidine 5'-nucleotidase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	70608080
NCBI GeneID	51251
NCBI Accession #	NP_001002009.1
NCBI GenBank Nucleotide #	NM_001002009.2
UniProt Accession #	Q9H0P0; Q6IPZ1; Q6NXS6; Q7L3G6; Q9P0P5; Q9UC42; Q9UC43; Q9UC44; Q9UC45; A8K253; B2RAA5; B8ZZC4
Molecular Weight	Observed: 38 kDa Predicted: 38 kDa
NCBI Official Full Name	cytosolic 5'-nucleotidase 3A isoform 2
NCBI Official Synonym Full Names	5'-nucleotidase, cytosolic IIIA
NCBI Official Symbol	NT5C3A
NCBI Official Synonym Symbols	p36; PN-I; POMP; PSN1; UMPH; NT5C3; P5N-1; UMPH1; hUMP1; P5'N-1; cN-III
NCBI Protein Information	cytosolic 5'-nucleotidase 3A
UniProt Protein Name	Cytosolic 5'-nucleotidase 3A
UniProt Gene Name	NT5C3A
UniProt Synonym Gene Names	NT5C3; P5N1; UMPH1; 7-methylguanosine nucleotidase; cN-III; P5'N-1; P5N-1; PN-I

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://stage.aaabiotech.com/polyclonal/nt5c3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321058>