



Rabbit Anti-NT5C/dNT1 antibody

SL19486R

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| Product Name: | NT5C/dNT1 |
| Chinese Name: | 胞质5', 3'核苷酸抗体 |
| Alias: | 3"-pyrimidine nucleotidase; 5' nucleotidase, deoxy (pyrimidine); 5' nucleotidase, deoxy (pyrimidine), cytosolic type C; 5"(3")-deoxyribonucleotidase; 5'(3')-deoxyribonucleotidase, cytosolic type; 5', 3'-nucleotidase, cytosolic; 5-prime,3-prime-nucleotidase, cytosolic; cdN; Cytosolic 5"; cytosolic 5',3'-pyrimidine nucleotidase; cytosolic type; cytosolic type C,5',3'-nucleotidase; cytosolic,uridine 5'-monophosphate phosphohydrolase 2; Deoxy 5' nucleotidase 1; Deoxy-5"-nucleotidase 1; Deoxyribonucleotidase, cytosolic, 1; DNT; dNT-1; dNT1; Nt5c; NT5C_HUMAN; P5N2; PN-I; PN-II; Pyrimidine 5-prime nucleotidase 2; UMPH2; uridine 5'-monophosphate phosphohydrolase 2; uridine 5-prime monophosphate hydrolase 2. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 23, 13kDa |
| Cellular localization: | cytoplasmic |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human NT5C/dNT1:101-201/201 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

PubMed:[PubMed](#)

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. [provided by RefSeq, Nov 2011]

Function:

Dephosphorylates the 5' and 2'(3')-phosphates of deoxyribonucleotides, with a preference for dUMP and dTMP, intermediate activity towards dGMP, and low activity towards dCMP and dAMP.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Detected in skeletal muscle, heart and pancreas.

Similarity:

Belongs to the 5'(3')-deoxyribonucleotidase family.

Product Detail:**SWISS:**

Q8TCD5

Gene ID:

30833

Database links:

[Entrez Gene: 30833](#) Human

[Omim: 191720](#) Human

[SwissProt: Q8TCD5](#) Human

[Unigene: 67201](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.