

5NT1A Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9917a

Specification

5NT1A Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O9BXI3](#)

5NT1A Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 84618

Other Names

Cytosolic 5'-nucleotidase 1A, cN1A, Cytosolic 5'-nucleotidase IA, cN-I, cN-IA, NT5C1A

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

5NT1A Antibody (N-term) Blocking Peptide - Protein Information

Name NT5C1A

Function

Catalyzes the hydrolysis of ribonucleotide and deoxyribonucleotide monophosphates, releasing inorganic phosphate and the corresponding nucleoside (PubMed: [11133996](http://www.uniprot.org/citations/11133996), PubMed: [34814800](http://www.uniprot.org/citations/34814800), PubMed: [7599155](http://www.uniprot.org/citations/7599155), PubMed: [8967393](http://www.uniprot.org/citations/8967393)). AMP is the major substrate but can also hydrolyze dCMP and IMP (PubMed: [11133996](http://www.uniprot.org/citations/11133996), PubMed: [34814800](http://www.uniprot.org/citations/34814800), PubMed: [7599155](http://www.uniprot.org/citations/7599155), PubMed: [8967393](http://www.uniprot.org/citations/8967393)).

Cellular Location

Cytoplasm.

Tissue Location

Highly expressed in skeletal muscle. Detected at intermediate levels in heart, brain, kidney and pancreas

5NT1A Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

5NT1A Antibody (N-term) Blocking Peptide - Images

5NT1A Antibody (N-term) Blocking Peptide - Background

Cytosolic nucleotidases, such as NT5C1A, dephosphorylate nucleoside monophosphates.

5NT1A Antibody (N-term) Blocking Peptide - References

Landers, J.E., et al. Proc. Natl. Acad. Sci. U.S.A. 106(22):9004-9009(2009)Lechward, K., et al. Acta Biochim. Biophys. Sin. (Shanghai) 41(4):280-284(2009)Fyrberg, A., et al. Nucleosides Nucleotides Nucleic Acids 25 (9-11), 1201-1204 (2006) :