

**5NT1A Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9917A****Specification**

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**5NT1A Antibody (N-term) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P,E            |
| Primary Accession | <a href="#">Q9BXI3</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | Rabbit IgG             |
| Calculated MW     | 41021                  |
| Antigen Region    | 91-119                 |

**5NT1A Antibody (N-term) - Additional Information****Gene ID** 84618**Other Names**

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

**Target/Specificity**

This 5NT1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 91-119 amino acids from the N-terminal region of human 5NT1A.

**Dilution**WB~~1:1000  
IHC-P~~1:50~100**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

5NT1A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**5NT1A Antibody (N-term) - Protein Information****Name** NT5C1A**Function** Catalyzes the hydrolysis of ribonucleotide and deoxyribonucleotide monophosphates, releasing inorganic phosphate and the corresponding nucleoside (PubMed:[11133996](#),

PubMed:[7599155](#), PubMed:[8967393](#), PubMed:[34814800](#)). AMP is the major substrate but can also hydrolyze dCMP and IMP (PubMed:[11133996](#), PubMed:[7599155](#), PubMed:[8967393](#), PubMed:[34814800](#)).

#### Cellular Location

Cytoplasm.

#### Tissue Location

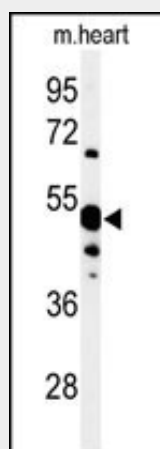
Highly expressed in skeletal muscle. Detected at intermediate levels in heart, brain, kidney and pancreas

### 5NT1A Antibody (N-term) - Protocols

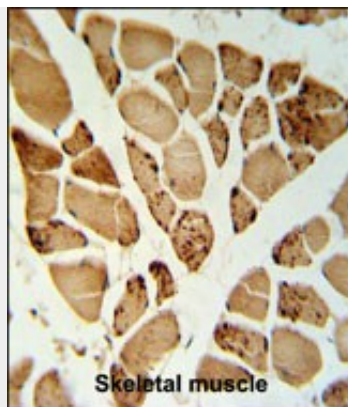
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### 5NT1A Antibody (N-term) - Images



Western blot analysis of 5NT1A Antibody (N-term) (Cat. #AP9917a) in mouse heart tissue lysates (35ug/lane). 5NT1A (arrow) was detected using the purified Pab.



5NT1A Antibody (N-term) (Cat. #AP9917a) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the 5NT1A Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **5NT1A Antibody (N-term) - Background**

Cytosolic nucleotidases, such as NT5C1A, dephosphorylate nucleoside monophosphates.

#### **5NT1A Antibody (N-term) - 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) :