

**NT5M Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22117c****Specification**

---

**NT5M Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9NPB1</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	25862
Antigen Region	59-90

**NT5M Antibody (Center) - Additional Information****Gene ID** 56953**Other Names**5'(3')-deoxyribonucleotidase, mitochondrial, 5', 3'-nucleotidase, mitochondrial, 3.1.3.-,  
Deoxy-5'-nucleotidase 2, dNT-2, NT5M, DNT2**Target/Specificity**

This NT5M antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 59-90 amino acids from the Central region of human NT5M.

**Dilution**

WB~~1:2000

**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**

NT5M Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**NT5M Antibody (Center) - Protein Information****Name** NT5M**Synonyms** DNT2

**Function** Dephosphorylates specifically the 5' and 2'(3')-phosphates of uracil and thymine deoxyribonucleotides, and so protects mitochondrial DNA replication from excess dTTP. Has only marginal activity towards dIMP and dGMP.

**Cellular Location**  
Mitochondrion.

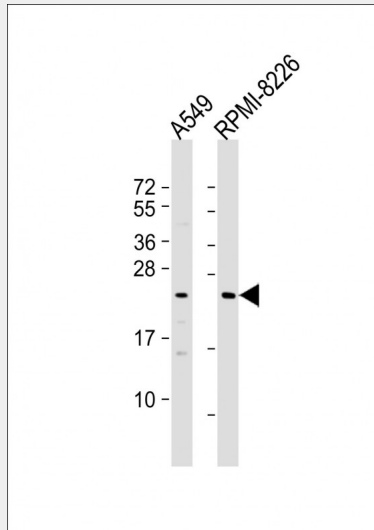
**Tissue Location**  
Highly expressed in heart, brain and skeletal muscle. Detected at very low levels in kidney and pancreas

### NT5M Antibody (Center) - 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](#)

### NT5M Antibody (Center) - Images



All lanes : Anti-NT5M Antibody (Center) at 1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: RPMI-8226 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### NT5M Antibody (Center) - Background

Dephosphorylates specifically the 5' and 2'(3')- phosphates of uracil and thymine deoxyribonucleotides, and so protects mitochondrial DNA replication from excess dTTP. Has only marginal activity towards dIMP and dGMP.

**NT5M Antibody (Center) - References**

Rampazzo C., et al. Proc. Natl. Acad. Sci. U.S.A. 97:8239-8244(2000).  
Rinaldo-Matthis A., et al. Nat. Struct. Biol. 9:779-787(2002).