

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

NT5M Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q9NPB1
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

E~~Use at an assay dependent concentration.

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

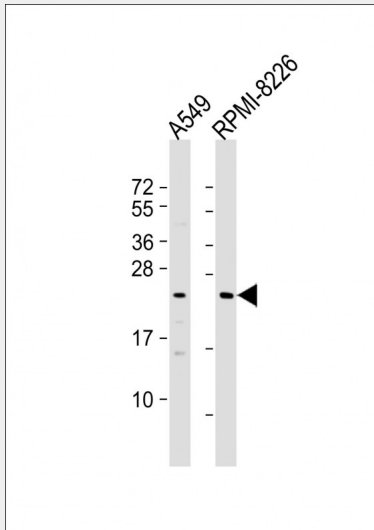
Highly expressed in heart, brain and skeletal muscle. Detected at very low levels in kidney and pancreas

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).