

NT5M Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21968b

Specification

NT5M Antibody (C-Term) - Product Information

Application	WB,E
Primary Accession	O9NPB1
Other Accession	O8VCE6
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	25862

NT5M Antibody (C-Term) - 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 195-226 amino acids from 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 (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

NT5M Antibody (C-Term) - 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

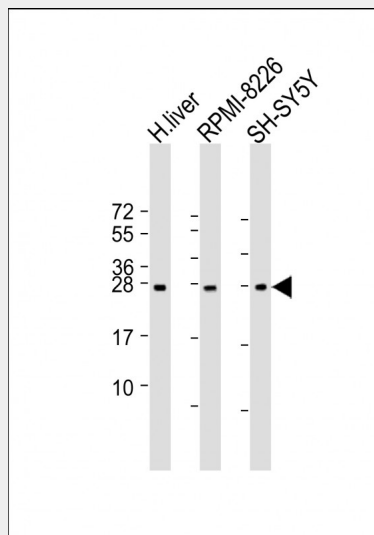
Highly expressed in heart, brain and skeletal muscle. Detected at very low levels in kidney and pancreas

NT5M Antibody (C-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](#)

NT5M Antibody (C-Term) - Images



All lanes : Anti-NT5M Antibody (C-Term) at 1:2000 dilution Lane 1: human liver lysate Lane 2: RPMI-8226 whole cell lysate Lane 3: SH-SY5Y 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% NFDN/TBST.

NT5M Antibody (C-Term) - 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 (C-Term) - 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).