



Rabbit Anti-NT5M antibody

SL19494R

Product Name:	NT5M
Chinese Name:	MitochondrionNT5M抗体
Alias:	3"-nucleotidase; 5"; 5"(3")-deoxyribonucleotidase; 5'(3')-deoxyribonucleotidase, mitochondrial; 5',3'-nucleotidase, mitochondrial; Deoxy-5"-nucleotidase 2; dNT-2; DNT2; mitochondrial; NT5M; NT5M_HUMAN,
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	26kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NT5M:21-120/228
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a 5' nucleotidase that localizes to the mitochondrial matrix. This enzyme dephosphorylates the 5'- and 2'(3')-phosphates of uracil and thymine deoxyribonucleotides. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

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.

Subcellular Location:

Mitochondrion.

Tissue Specificity:

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

Similarity:

Belongs to the 5'(3')-deoxyribonucleotidase family.

SWISS:

Q9NPB1

Gene ID:

56953

Database links:

[Entrez Gene: 56953](#) Human

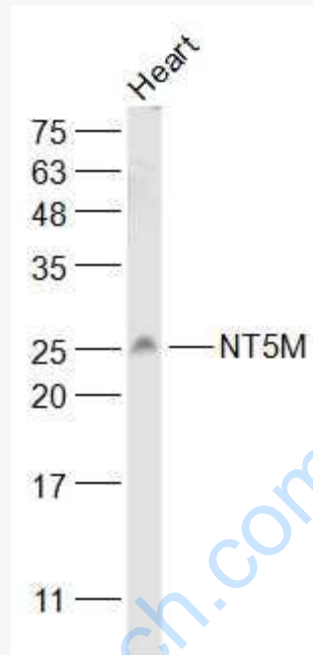
[SwissProt: Q9NPB1](#) Human

[Unigene: 513977](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Heart (Mouse) Lysate at 40 ug

Primary: Anti-NT5M (SL19494R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 26 kD

Observed band size: 25 kD