



Rabbit Anti-NUDT9 antibody

SL8666R

Product Name:	NUDT9
Chinese Name:	ADP核糖磷酸水解酶9抗体
Alias:	Adenosine diphosphoribose pyrophosphatase; ADP ribose diphosphatase; ADP ribose phosphohydrolase; ADP ribose pyrophosphatase, mitochondrial precursor; ADP ribose pyrophosphatase NUDT9; ADP-ribose diphosphatase; ADP-ribose phosphohydrolase; ADP-ribose pyrophosphatase, mitochondrial; ADPR PPase; ADPR-PPase; EC 3.6.1.13; Nucleoside diphosphate linked moiety X motif 9; Nucleoside diphosphate linked moiety X type motif 9; Nucleoside diphosphate-linked moiety X motif 9; Nudix (nucleoside diphosphate linked moiety X) type motif 9; Nudix motif 9; NUDT10; NUDT9; NUDT9 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Horse,Rabbit,
Applications:	IHC-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:	40kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NUDT9:101-200/350
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
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

The protein encoded by this gene belongs to the Nudix hydrolase family. Nudix boxes are found in a family of diverse enzymes that catalyze the hydrolysis of nucleoside diphosphate derivatives. This enzyme is an ADP-ribose pyrophosphatase that catalyzes the hydrolysis of ADP-ribose to AMP and ribose-5-P. It requires divalent metal ions and an intact Nudix motif for enzymatic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Function:

Hydrolyzes ADP-ribose (ADPR) to AMP and ribose 5'-phosphate.

Subcellular Location:

Mitochondrion.

Tissue Specificity:

Ubiquitously expressed but isoform 1 is the most predominant isoform.

Similarity:

Belongs to the Nudix hydrolase family. NudF subfamily.
Contains 1 nudix hydrolase domain.

SWISS:

Q9BW91

Gene ID:

53343

Database links:

[Entrez Gene: 53343](#) Human

[Entrez Gene: 74167](#) Mouse

[Entrez Gene: 305149](#) Rat

[Omim: 606022](#) Human

[SwissProt: Q9BW91](#) Human

[SwissProt: Q8BVU5](#) Mouse

[SwissProt: Q5XIG0](#) Rat

[Unigene: 149500](#) Human

[Unigene: 241484](#) Mouse

Product Detail:

[Unigene: 22103](#) Rat

Important Note:

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

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