



Rabbit Anti-NUDT14 antibody

SL19511R

Product Name:	NUDT14
Chinese Name:	NUDT14蛋白抗体
Alias:	Nucleoside diphosphate linked moiety X type motif 14; Nucleoside diphosphate-linked moiety X motif 14; NUD14_HUMAN; Nudix (nucleoside diphosphate linked moiety X) type motif 14; Nudix motif 14; NUDT14; UDP sugar diphosphatase; UDPG pyrophosphatase; UGPP; UGPPase; Uridine diphosphate glucose pyrophosphatase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Sheep,Guinea Pig,
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:	24kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NUDT14:1-100/222
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:	UDP-glucose (UDPG) acts as the sugar donor in numerous glycosylation reactions, including those involved in the production of glycogen. NUDT14 is a UDPG pyrophosphatase (EC 3.6.1.45) that hydrolyzes UDPG to produce glucose 1-phosphate and UMP (Yagi et al., 2003 [PubMed 12429023]).[supplied by OMIM, Mar 2008]

Function:

Hydrolyzes UDP-glucose to glucose 1-phosphate and UMP and ADP-ribose to ribose 5-phosphate and AMP. The physiological substrate is probably UDP-glucose. Poor activity on other substrates such as ADP-glucose, CDP-glucose, GDP-glucose and GDP-mannose.

Subcellular Location:

Cytoplasm.

Similarity:

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

SWISS:

O95848

Gene ID:

256281

Database links:

[Entrez Gene: 100126049](#) Cow

[Entrez Gene: 256281](#) Human

[Entrez Gene: 66174](#) Mouse

[Entrez Gene: 299346](#) Rat

[Omim: 609219](#) Human

[SwissProt: Q05B60](#) Cow

[SwissProt: O95848](#) Human

[SwissProt: Q9D142](#) Mouse

[Unigene: 526432](#) Human

[Unigene: 7070](#) Mouse

Important Note:

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

