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NUDT14 Rabbit pAb

Catalog # AP96172

Product Information

Application	WB
Primary Accession	O95848
Other Accession	O95848
Reactivity	Human
Predicted	Rat, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24118
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NUDT14
Epitope Specificity	1-100/222
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
SIMILARITY	Belongs to the Nudix hydrolase family. Contains 1 nudix hydrolase domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	256281
Other Names	UGPP; UGPPase; 1110030M18Rik; NUD14_BOVIN; NUDT14; UDPG pyrophosphatase; Nucleoside diphosphate-linked moiety X motif 14 (Nudix motif 14); 3.6.1.45; NUD14_HUMAN; NUD14_MOUSE; nudix hydrolase 14; nudix (nucleoside diphosphate linked moiety X)-type motif 14; uridine diphosphate glucose pyrophosphatase
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	NUDT14 (HGNC:20141)
Function	Cytosolic pyrophosphatase hydrolyzing the diphosphate bond in various nucleotide-sugars with a higher efficiency for UDP-alpha-D- glucose and ADP-D-ribose.
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q865Y9}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.