10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NUDT8 Rabbit pAb

Catalog # AP99104

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9CR24
Other Accession	Q9CR24
Reactivity	Rat
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23253
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse NUDT8
Epitope Specificity	21-120/236
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the Nudix hydrolase family.Belongs to the Nudix hydrolase family. Contains 1 nudix hydrolase domain. 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	NUDT8 (Nudix Hydrolase 8) is a Protein Coding gene. GO annotations related to this gene include hydrolase activity. An important paralog of this gene is NUDT7.

Additional Information

Gene ID	66387
Other Names	2310039H17Rik; NUDT8_HUMAN; NUDT8; Nucleoside diphosphate-linked moiety X motif 8 (Nudix motif 8); 3.6.1.-; 3.6.1.77; NUDT8_MOUSE; nudix hydrolase 8; nudix (nucleoside diphosphate linked moiety X)-type motif 8
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	Nudt8
Function	Acyl-CoA diphosphatase that mediates the hydrolysis of a wide range of CoA

	and CoA esters yielding 3',5'-ADP and the corresponding 4'-phosphopantetheine derivative as products (PubMed:31004344). Hydrolyzes short- and medium-chain acyl-CoAs, exhibiting the highest activity toward free CoA, hexanoyl-CoA, and octanoyl-CoA and the lowest activity against acetyl-CoA (PubMed:31004344). Exhibits decapping activity towards dpCoA-capped RNAs in vitro (PubMed:32432673).
Cellular Location	Mitochondrion.
Tissue Location	Expressed at the highest levels in the kidneys, heart, brown adipose tissue and liver (at protein level) (PubMed:31004344). Expressed at lower levels in the brain, skeletal muscle, and white adipose tissue (at protein level) (PubMed:31004344)

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