

NUDT7 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15302

Specification

NUDT7 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	POC024
Other Accession	NM_001105663 , NP_001099133
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27kDa KDa

NUDT7 Antibody - N-terminal region - Additional Information

Gene ID 283927

Other Names

Peroxisomal coenzyme A diphosphatase NUDT7, 3.6.1.-, Nucleoside diphosphate-linked moiety X motif 7, Nudix motif 7, NUDT7

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-NUDT7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

NUDT7 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

NUDT7 Antibody - N-terminal region - Protein Information

Name NUDT7 ([HGNC:8054](#))

Function

Fatty acyl-coenzyme A (CoA) diphosphatase that hydrolyzes fatty acyl-CoA to yield acyl-4'-phosphopantetheine and adenosine 3',5'- biphosphate (By similarity). Cleaves CoA, CoA esters and oxidized CoA with similar efficiencies (By similarity). Preferentially hydrolyzes medium-chain acyl-CoAs and bile acid-CoAs (By similarity). Has no activity toward NDP-sugars, CDP-alcohols, (deoxy)nucleoside 5'- triphosphates, nucleoside 5'-di or monophosphates, diadenosine polyphosphates, NAD, NADH, NADP, NADPH or thymidine-5'-monophospho-p-nitrophenyl ester (By similarity). May be required to eliminate oxidized CoA from peroxisomes, or

regulate CoA and acyl-CoA levels in this organelle in response to metabolic demand (By similarity). Does not play a role in U8 snoRNA decapping activity (By similarity). Binds U8 snoRNA (By similarity). Exhibits decapping activity towards dpCoA- capped RNAs in vitro (By similarity).

Cellular Location

Peroxisome {ECO:0000250|UniProtKB:Q99P30}.

Tissue Location

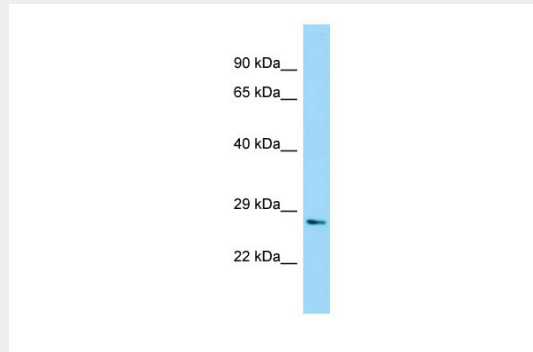
Expressed in liver, kidney, pancreas, pituitary, small intestine, spleen, heart and placenta. Weakly expressed in brain

NUDT7 Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NUDT7 Antibody - N-terminal region - Images



WB Suggested Anti-NUDT7 Antibody Titration: 1.0 µg/ml

Positive Control: Placenta

NUDT7 Antibody - N-terminal region - References

- Hong J., et al. Submitted (AUG-2008) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Martin J., et al. Nature 432:988-994(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Gasmi L., et al. Biochem. J. 357:33-38(2001).