

**NUDT7 Antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15302****Specification****NUDT7 Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">POC024</a>
Other Accession	<a href="#">NM_001105663</a> , <a href="#">NP_001099133</a>
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'- bisphosphate (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}.

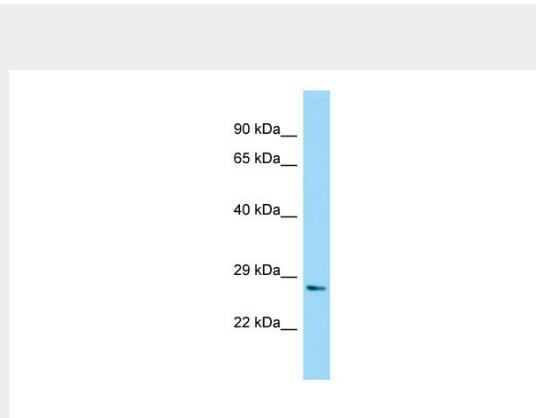
**Tissue Location**

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).