

# NUDT7 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15302

## Product Information

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|-------------------|----------------------------------------------------------------------|
| Application       | WB                                                                   |
| Primary Accession | <a href="#">P0C024</a>                                               |
| Other Accession   | <a href="#">NM_001105663</a> , <a href="#">NP_001099133</a>          |
| Reactivity        | Human, Mouse, Rat, Rabbit, Pig, Goat, Dog, Guinea Pig, Horse, Bovine |
| Predicted         | Human, Mouse, Rat, Rabbit, Pig, Goat, Dog, Guinea Pig, Horse, Bovine |
| Host              | Rabbit                                                               |
| Clonality         | Polyclonal                                                           |
| Calculated MW     | 26942                                                                |

## Additional Information

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                           |

## Protein Information

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| Name     | NUDT7 ( <a href="#">HGNC:8054</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Function | Fatty acyl-coenzyme A (CoA) diphosphatase that hydrolyzes fatty acyl-CoA to yield acyl-4'-phosphopantetheine and adenosine 3',5'- bispophosphate (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

## References

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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).

## Images

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

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