

# **NUDT7** Antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI15302

### **Product Information**

Application WB Primary Accession P0C024

Other Accession NM 001105663, NP 001099133

**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**

**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**

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

# References

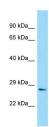
Hong J., et al. Submitted (AUG-2008) to the EMBL/GenBank/DDBJ databases. Ota T., et al. Nat. Genet. 36:40-45(2004).

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).

# **Images**



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'.