

Nudt15 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12948**Specification**

Nudt15 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q8BG93
Other Accession	NM_172527 , NP_766115
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Mouse, Rat, Zebrafish, Chicken, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19kDa KDa

Nudt15 antibody - N-terminal region - Additional Information**Gene ID** 214254**Alias Symbol** 6530403O17, A730068G11Rik, MTH2**Other Names**

Probable 8-oxo-dGTP diphosphatase NUDT15, 8-oxo-dGTPase NUDT15, 3.6.1.55, 7, 8-dihydro-8-oxoguanine-triphosphatase NUDT15, MutT homolog 2, mMTH2, Nucleoside diphosphate-linked moiety X motif 15, Nudix motif 15, Nudt15, Mth2

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-Nudt15 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

Nudt15 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Nudt15 antibody - N-terminal region - Protein Information**Name** Nudt15 {ECO:0000312|MGI:MGI:2443366}**Function**

May catalyze the hydrolysis of nucleoside triphosphates including dGTP, dTTP, dCTP, their oxidized forms like 8-oxo-dGTP and the prodrug thiopurine derivatives 6-thio-dGTP and 6-thio-GTP (PubMed:12767940). Could also catalyze the hydrolysis of some nucleoside diphosphate derivatives (By similarity). Hydrolyzes oxidized nucleosides triphosphates like 8-oxo-dGTP in vitro, but the specificity and

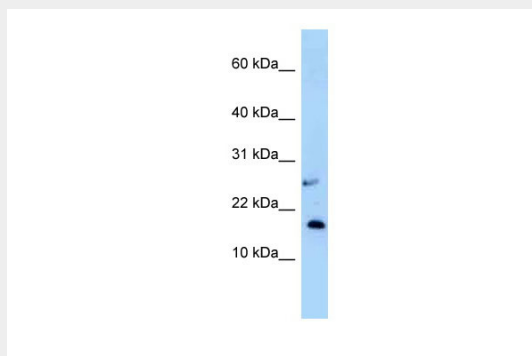
efficiency towards these substrates are low. Therefore, the potential in vivo sanitizing role of this enzyme, that would consist in removing oxidatively damaged forms of nucleosides to prevent their incorporation into DNA, is unclear (PubMed:[12767940](http://www.uniprot.org/citations/12767940)). Through the hydrolysis of thioguanosine triphosphates may participate in the catabolism of thiopurine drugs (By similarity). May also have a role in DNA synthesis and cell cycle progression by stabilizing PCNA (By similarity). Exhibits decapping activity towards dpCoA-capped RNAs in vitro (PubMed:[32432673](http://www.uniprot.org/citations/32432673)).

Nudt15 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](#)

Nudt15 antibody - N-terminal region - Images



WB Suggested Anti-Nudt15 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Small Intestine