

NUDT5 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57557**Specification**

NUDT5 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9UKK9
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24328

NUDT5 Polyclonal Antibody - Additional Information**Gene ID** 11164**Other Names**

ADP-sugar pyrophosphatase, 3.6.1.13, 8-oxo-dGDP phosphatase, 3.6.1.58, Nuclear ATP-synthesis protein NUDIX5, 2.7.7.96, Nucleoside diphosphate-linked moiety X motif 5, Nudix motif 5, hNUDT5, YSA1H, NUDT5, NUDIX5 {ECO:0000303|PubMed:27257257}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

NUDT5 Polyclonal Antibody - Protein Information**Name** NUDT5**Synonyms** NUDIX5 {ECO:0000303|PubMed:27257257}**Function**

Enzyme that can either act as an ADP-sugar pyrophosphatase in absence of diphosphate or catalyze the synthesis of ATP in presence of diphosphate (PubMed:27257257). In absence of diphosphate, hydrolyzes with similar activities various modified nucleoside diphosphates such as ADP-ribose, ADP-mannose, ADP-glucose, 8-oxo-GDP and 8-oxo-dGDP (PubMed:10567213, PubMed:10722730, PubMed:17052728, PubMed:19699693, PubMed:21389046). Can also hydrolyze other nucleotide sugars with low activity (PubMed:19699693, PubMed:21389046). In presence

of diphosphate, mediates the synthesis of ATP in the nucleus by catalyzing the conversion of ADP-ribose to ATP and ribose 5-phosphate. Nuclear ATP synthesis takes place when dephosphorylated at Thr-45 (PubMed:27257257). Nuclear ATP generation is required for extensive chromatin remodeling events that are energy-consuming (PubMed:27257257). Does not play a role in U8 snoRNA decapping activity (By similarity). Binds U8 snoRNA (By similarity).

Cellular Location

Nucleus.

Tissue Location

Widely expressed. Most abundant in liver.

NUDT5 Polyclonal Antibody - 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](#)

NUDT5 Polyclonal Antibody - Images