

NUDT4 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57556**Specification****NUDT4 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9NZJ9
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20306

NUDT4 Polyclonal Antibody - Additional Information**Gene ID** 11163**Other Names**

Diphosphoinositol polyphosphate phosphohydrolase 2, DIPP-2, 3.6.1.52, Diadenosine 5', 5'''-P1, P6-hexaphosphate hydrolase 2, Nucleoside diphosphate-linked moiety X motif 4, Nudix motif 4, NUDT4 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=8051), HGNC:8051, DIPP2, KIAA0487

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

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.

NUDT4 Polyclonal Antibody - Protein Information**Name** NUDT4 ([HGNC:8051](#))**Synonyms** DIPP2, KIAA0487**Function**

Cleaves the beta-phosphate from diphosphoinositol polyphosphates such as PP-InsP5 (diphosphoinositol pentakisphosphate), PP-InsP4 (diphosphoinositol tetrakisphosphate) and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate), suggesting that it may play a role in signal transduction (PubMed: <http://www.uniprot.org/citations/10777568>). Diadenosine polyphosphates, particularly Ap6A (P(1),P(6)-bis(5a-adenosyl) hexaphosphate) and Ap5A (P(1),P(5)-bis(5'-adenosyl) pentaphosphate) are downstream effectors of a signaling cascade that regulates cardiac KATP channels, can also be substrates, although with lower preference than the diphosphoinositol polyphosphates

(PubMed:10777568). Can also catalyze the hydrolysis of 5-phosphoribose 1-diphosphate, generating the glycolytic activator ribose 1,5-bisphosphate (PubMed:12370170). Does not play a role in U8 snoRNA decapping activity (By similarity). Binds U8 snoRNA (By similarity).

Cellular Location

Cytoplasm.

Tissue Location

Expressed in heart and, at lower level in skeletal muscle, pancreas and kidney.

NUDT4 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](#)

NUDT4 Polyclonal Antibody - Images