

NUDT10 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18418A

Specification

NUDT10 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8NFP7
Other Accession	P0C028 , Q96G61 , Q58CW0 , P0C027 , NP_694853.1
Reactivity	Human
Predicted	Mouse, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	18500
Antigen Region	1-30

NUDT10 Antibody (N-term) - Additional Information

Gene ID 170685

Other Names

Diphosphoinositol polyphosphate phosphohydrolase 3-alpha, DIPP-3-alpha, DIPP3-alpha, hDIPP3alpha, Diadenosine 5', 5'''-P1, P6-hexaphosphate hydrolase 3-alpha, Diadenosine hexaphosphate hydrolase (AMP-forming), Nucleoside diphosphate-linked moiety X motif 10, Nudix motif 10, hAps2, NUDT10, APS2, DIPP3A

Target/Specificity

This NUDT10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human NUDT10.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NUDT10 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NUDT10 Antibody (N-term) - Protein Information

Name NUDT10

Synonyms APS2, DIP3A

Function Cleaves a beta-phosphate from the diphosphate groups in PP- InsP5 (diphosphoinositol pentakisphosphate), suggesting that it may play a role in signal transduction. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5- phosphoribose 1-diphosphate.

Cellular Location

Cytoplasm.

Tissue Location

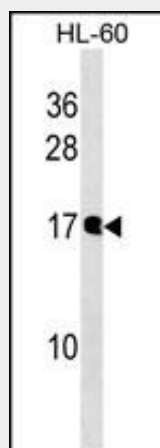
Mainly expressed in testis and, at lower level in brain. According to PubMed:12121577, it is widely expressed

NUDT10 Antibody (N-term) - 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](#)

NUDT10 Antibody (N-term) - Images



NUDT10 Antibody (N-term) (Cat. #AP18418a) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the NUDT10 Antibody detected the NUDT10 protein (arrow).

NUDT10 Antibody (N-term) - Background

NUDT10 belongs to a subgroup of phosphohydrolases that preferentially attack diphosphoinositol polyphosphates (Hidaka et

al., 2002 [PubMed 12105228]).

NUDT10 Antibody (N-term) - References

Kim, S.T., et al. Prostate 70(16):1729-1738(2010)
Gudmundsson, J., et al. Nat. Genet. 40(3):281-283(2008)
Eeles, R.A., et al. Nat. Genet. 40(3):316-321(2008)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Ross, M.T., et al. Nature 434(7031):325-337(2005)