

NUDT10 Antibody (N-term) Blocking Peptide

Synthetic peptide

Catalog # BP18418a

Specification

NUDT10 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

[Q8NFP7](#)**NUDT10 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NUDT10 Antibody (N-term) Blocking Peptide - Protein Information

Name NUDT10

Synonyms APS2, DIPP3A

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) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

NUDT10 Antibody (N-term) Blocking Peptide - Images

NUDT10 Antibody (N-term) Blocking Peptide - Background

NUDT10 belongs to a subgroup of phosphohydrolases that preferentially attack diphosphoinositol polyphosphates (Hidaka et al., 2002 [PubMed 12105228]).

NUDT10 Antibody (N-term) Blocking Peptide - 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)