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NUDT2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16121c

Specification

NUDT2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P50583
Other Accession	NP_671702.1, NP_671701.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**16829**
Antigen Region	**62-90**

NUDT2 Antibody (Center) - Additional Information

Gene ID 318

Other Names
Bis(5'-nucleosyl)-tetraphosphatase [asymmetrical], Diadenosine 5', 5'''-P1, P4-tetraphosphate asymmetrical hydrolase, Ap4A hydrolase, Ap4Aase, Diadenosine tetraphosphatase, Nucleoside diphosphate-linked moiety X motif 2, Nudix motif 2, NUDT2, APAH1

Target/Specificity
This NUDT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-90 amino acids from the Central region of human NUDT2.

Dilution
WB~~1:1000

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
NUDT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NUDT2 Antibody (Center) - Protein Information

Name NUDT2

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Synonyms APAH1

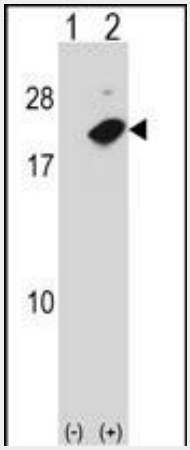
Function Catalyzes the asymmetric hydrolysis of diadenosine 5',5'''- P1,P4-tetraphosphate (Ap4A) to yield AMP and ATP (By similarity). Exhibits decapping activity towards FAD-capped RNAs and dpCoA-capped RNAs in vitro (By similarity).

NUDT2 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NUDT2 Antibody (Center) - Images



Western blot analysis of NUDT2 (arrow) using rabbit polyclonal NUDT2 Antibody (Center) (Cat. #AP16121c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the NUDT2 gene.

NUDT2 Antibody (Center) - Background

This gene encodes a member of the MutT family of nucleotide pyrophosphatases, a subset of the larger NUDIX hydrolase family. The gene product possesses a modification of the MutT sequence motif found in certain nucleotide pyrophosphatases. The enzyme asymmetrically hydrolyzes Ap4A to yield AMP and ATP and is responsible for maintaining the intracellular level of the dinucleotide Ap4A, the function of which has yet to be established. This gene may be a candidate tumor suppressor gene. Alternative splicing has been observed at this locus and three transcript variants, all encoding the same protein, have been identified.

NUDT2 Antibody (Center) - References

Vasilenko, N., et al. Virol. J. 7, 31 (2010) :
Swarbrick, J.D., et al. J. Biol. Chem. 280(9):8471-8481(2005)
Swarbrick, J.D., et al. J. Biomol. NMR 31(2):181-182(2005)
Pitcher, W.H. III, et al. Antiviral Res. 58(3):227-233(2003)
Guranowski, A., et al. Acta Biochim. Pol. 50(1):123-130(2003)