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NUDT18 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57555

Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession Q6ZVK8

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 35501
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human NUDT18

Epitope Specificity 21-120/323

Purity affinity purified by Protein A

Buffer0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.SIMILARITYBelongs to the Nudix hydrolase family. Contains 1 nudix hydrolase domain.Important NoteThis product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions The protein encoded by this gene is a member of the Nudix hydrolase family.

Nudix hydrolases eliminate potentially toxic nucleotide metabolites from the cell and regulate the concentrations and availability of many different nucleotide substrates, cofactors, and signaling molecules. This protein contains a Nudix hydrolase domain and hydrolyzes oxidized forms of

guanosine and deoxyguanosine diphosphates. [provided by RefSeq, Sep 2012]

Additional Information

Gene ID 79873

Other Names 8-oxo-dGDP phosphatase NUDT18, 3.6.1.58, 2-hydroxy-dADP phosphatase, 7,

8-dihydro-8-oxoguanine phosphatase, MutT homolog 3, Nucleoside diphosphate-linked moiety X motif 18, Nudix motif 18, NUDT18, MTH3

Dilution WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-50

0,ELISA=1:5000-10000

Format 0.01M TBS(pH7.4) with 1% BSA, 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.

Protein Information

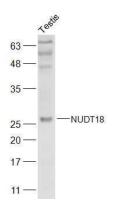
Name

NUDT18 (HGNC:26194)

Function

Mediates the hydrolysis of oxidized nucleoside diphosphate derivatives. Hydrolyzes 8-oxo-7,8-dihydroguanine (8-oxo-Gua)-containing deoxyribo- and ribonucleoside diphosphates to the monophosphates. Hydrolyzes 8-oxo-dGDP and 8-oxo-GDP with the same efficiencies. Also hydrolyzes 8-OH-dADP and 2-OH-dADP. Exhibited no or minimal hydrolysis activity against 8-oxo-dGTP, 8-oxo-GTP, dGTP, GTP, dGDP and GDP. Probably removes oxidized guanine nucleotides from both the DNA and RNA precursor pools.

Images



Sample:

Testis (Mouse) Lysate at 40 ug Primary: Anti-NUDT18 (AP57555) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 35 kD Observed band size: 27 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.