

Rabbit anti-Human NUDT1 Polyclonal Antibody | anti-NUDT1 antibody

NUDT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232606	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

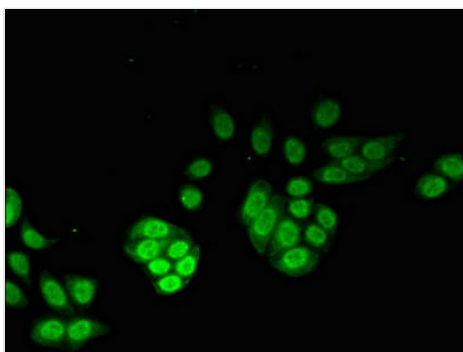
PRODUCT SYNONYMS

NUDT1; Polyclonal Antibody; NUDT1 Antibody; 7; 8-dihydro-8-oxoguanine triphosphatase; 2-hydroxy-dATP diphosphatase; 8-oxo-dGTPase; Nucleoside diphosphate-linked moiety X motif 1; Nudix motif 1; MTH1; anti-NUDT1 antibody

PRODUCT SPECIFICATIONS

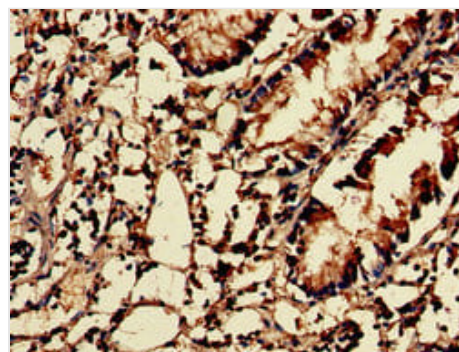
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	156
Applicable Applications for anti-NUDT1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human 7, 8-dihydro-8-oxoguanine triphosphatase protein (49-82AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-67291
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



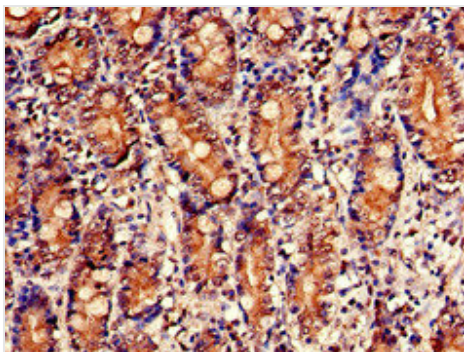
IHC (Immunohistochemisry)

Immunofluorescent analysis of PC3 cells using AAA232606 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human appendix tissue using AAA232606 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human small intestine tissue using AAA232606 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-NUDT1 antibody	Antimutagenic. Acts as a sanitizing enzyme for oxidized nucleotide pools, thus suppressing cell dysfunction and death induced by oxidative stress. Hydrolyzes 8-oxo-dGTP, 8-oxo-dATP and 2-OH-dATP, thus preventing misincorporation of oxidized purine nucleoside triphosphates into DNA and subsequently preventing A: T to C: G and G: C to T: A transversions. Able to hydrolyze also the corresponding ribonucleotides, 2-OH-ATP, 8-oxo-GTP and 8-oxo-ATP. Does not play a role in U8 snoRNA decapping activity. Binds U8 snoRNA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40288274
NCBI GeneID	4521
NCBI Accession #	NP_002443.3
NCBI GenBank Nucleotide #	NM_002452.3
UniProt Accession #	P36639; Q6LES7; Q6P0Y6; Q7Z7N6; Q8IV95; Q9UBM0; Q9UBM9; A4D205
Molecular Weight	17,952 Da
NCBI Official Full Name	7,8-dihydro-8-oxoguanine triphosphatase isoform p18
NCBI Official Synonym Full Names	nudix hydrolase 1
NCBI Official Symbol	NUDT1
NCBI Official Synonym Symbols	MTH1
NCBI Protein Information	7,8-dihydro-8-oxoguanine triphosphatase
UniProt Protein Name	7,8-dihydro-8-oxoguanine triphosphatase
UniProt Gene Name	NUDT1
UniProt Synonym Gene Names	MTH1; Nudix motif 1
UniProt Entry Name	8ODP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.