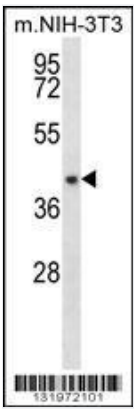
NUDT9 Antibody – Rabbit Polyclonal

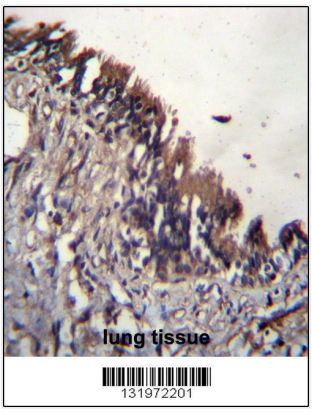
PRODUCT OVERVIEW

Product Name	NUDT9, Polyclonal Antibody
Full Product Name	NUDT9, CT (NUDT9, NUDT10, ADP-ribose pyrophosphatase, mitochondrial, ADP-ribose diphosphatase, ADP-ribose phosphohydrolase, Adenosine diphosphoribose pyrophosphatase, Nucleoside diphosphate-linked moiety X motif 9) (AP)
Product Gene Name	anti-NUDT9 antibody
Product Synonym Names	NUDT9; NUDT10; ADP-ribose pyrophosphatase, mitochondrial; ADP-ribose diphosphatase; ADP-ribose phosphohydrolase; Adenosine diphosphoribose pyrophosphatase; Nucleoside diphosphate-linked moiety X motif 9
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	606022
3D Structure	ModBase 3D Structure for Q9BW91
Immunogen	NUDT9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 317-347 amino acids from the C-terminal region of human NUDT9.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-NUDT9 antibody	Antibodies; NUDT19
Applications Tested/Suitable for anti-NUDT9 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-NUDT9 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-NUDT9 antibody	MBS6327183 is an antibody targeting NUDT9. Also known as NUDT9, CT (NUDT9, NUDT10, ADP-ribose pyrophosphatase, mitochondrial, ADP-ribose diphosphatase, ADP-ribose phosphohydrolase, Adenosine diphosphoribose pyrophosphatase, Nucleoside diphosphate-linked moiety X motif 9) (AP). Reactive in Mouse. Host: Rabbit. NUDT9 hydrolyzes ADP-ribose (ADPR) to AMP and ribose 5'-phosphate.
Product References and Citations for anti-NUDT9 antibody	Chen, L.Y., et al. Taiwan J Obstet Gynecol 48(2):96-107(2009). Carloto, A., et al. Biochim. Biophys. Acta 1760(10):1545-1551(2006). Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003). Shen, B.W., et al. J. Mol. Biol. 332(2):385-398(2003). Zhang, H.T., et al. Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao 35(8):747-751(2003).

Other Notes	Small volumes of anti-NUDT9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-NUDT9 antibody
NUDT9 Antibody (C-term) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the NUDT9 antibody detected the NUDT9 protein (arrow).



Immunohistochemistry (IHC) of anti-NUDT9 antibody
NUDT9 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of NUDT9 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NUDT9. It may not necessarily be applicable to this product.

NCBI GI #	37594457
NCBI GeneID	53343
NCBI Accession #	NP_932155.1
UniProt Primary Accession #	Q9BW91
UniProt Related Accession #	Q9BW91
GenBank Nucleotide #	NP_932155.1
NCBI Official Full Name	ADP-ribose pyrophosphatase, mitochondrial isoform b
NCBI Official Synonym Full Names	nudix hydrolase 9
NCBI Official Symbol	NUDT9
NCBI Official Synonym Symbols	NUDT10
UniProt Protein Name	ADP-ribose pyrophosphatase, mitochondrial
UniProt Synonym Protein Names	ADP-ribose diphosphatase; ADP-ribose phosphohydrolase; Adenosine diphosphoribose pyrophosphatase; ADPR-PPase; Nucleoside diphosphate-linked moiety X motif 9; Nudix motif 9
Protein Family	Nudix hydrolase
UniProt Gene Name	NUDT9
UniProt Synonym Gene Names	NUDT10; ADPR-PPase; Nudix motif 9
UniProt Entry Name	NUDT9_HUMAN
NCBI Protein Information	ADP-ribose pyrophosphatase, mitochondrial
NCBI Summary for NUDT9	The protein encoded by this gene belongs to the Nudix hydrolase family. Nudix boxes are found in a family of diverse enzymes that catalyze the hydrolysis of nucleoside diphosphate derivatives. This enzyme is an ADP-ribose pyrophosphatase that catalyzes the hydrolysis of ADP-ribose to AMP and ribose-5-P. It requires divalent metal ions and an intact Nudix motif for enzymatic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

UniProt Comments for NUDT9	NUDT9: Hydrolyzes ADP-ribose (ADPR) to AMP and ribose 5'- phosphate. Belongs to the Nudix hydrolase family. NudF subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Mitochondrial; EC 3.6.1.13; Nucleotide Metabolism - purine; Hydrolase Chromosomal Location of Human Ortholog: 4q22.1 Cellular Component: mitochondrial matrix; intracellular Molecular Function: ADP-ribose diphosphatase activity; ADP-sugar diphosphatase activity; adenosine-diphosphatase activity Biological Process: nucleobase, nucleoside and nucleotide metabolic process; ADP catabolic process; IDP catabolic process
Research Articles on NUDT9	**1.** ADP-ribose reactive NUDT9 NUDIX hydrolase isoforms modulate HIF-1alpha in cancer cells
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