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) (MaxLight 650)
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 MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. 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. Caution: MaxLight650 conjugates are sensitive to light. 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	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-NUDT9 antibody	Antibodies; NUDT19
Applications Tested/Suitable for anti-NUDT9 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-NUDT9 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-NUDT9 antibody	MBS6327191 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) (MaxLight 650). 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.

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

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-mouse-antibody/nudt9/6327191