

Mouse NUDT9 Monoclonal Antibody | anti-NUDT9 antibody

NUDT9 antibody

CATALOG #	HOST	APPLICATIONS
AAA108235	Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

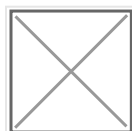
PRODUCT SYNONYMS

NUDT9; Monoclonal Antibody; NUDT9 antibody; Monoclonal NUDT9; Anti-NUDT9; MGC3037; NUDT10; Nucleoside Diphosphate Linked Moiety X-Type Motif 9; Nudix 9; NUDT 9; NUDT-9; anti-NUDT9 antibody

PRODUCT SPECIFICATIONS

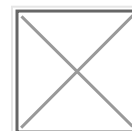
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	7A12
Purity/Purification	NUDT9 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	350
Applicable Applications for anti-NUDT9 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Human ADP-ribose pyrophosphatase NUDT9 belongs to a superfamily of Nudix hydrolases that catabolize potentially toxic compounds in the cell. NUDT9 alpha protein is targeted highly specifically to mitochondria, whereas the predicted protein of the NUDT9 beta transcript, which is missing this sequence, exhibits no clear subcellular localization. Investigation of the physical and enzymatic properties of NUDT9 indicates that it is functional as a monomer, optimally active at near neutral pH, and that it requires divalent metal ions and an intact Nudix motif for enzymatic activity.
Cross-Reactivity	Human
Immunogen	NUDT9 antibody was raised in mouse using a full length recombinant protein of human NUDT9 (NP_076952) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant NUDT9 protein using NUDT9 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of NUDT9 protein in paraffin embedded Human endometrium tissue using NUDT9 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant NUDT9 protein (Right) or empty vector (Left) detected with NUDT9 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-NUDT9 antibody	Mouse monoclonal NUDT9 antibody
Product Categories/Family for anti-NUDT9 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	37183362
NCBI GeneID	53343
Molecular Weight	33,776 Da
NCBI Official Full Name	NUDT9
NCBI Official Synonym Full Names	nudix (nucleoside diphosphate linked moiety X)-type motif 9
NCBI Official Symbol	NUDT9
NCBI Official Synonym Symbols	NUDT10
NCBI Protein Information	ADP-ribose pyrophosphatase, mitochondrial
UniProt Protein Name	ADP-ribose pyrophosphatase, mitochondrial
UniProt Gene Name	NUDT9
UniProt Synonym Gene Names	NUDT10; ADPR-PPase; Nudix motif 9
UniProt Entry Name	NUDT9_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/nudt9-antibody-clone-7a12-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/108235>