

Rabbit anti-Human, mouse NUDT15 Polyclonal Antibody | anti-NUDT15 antibody

NUDT15 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283834	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

NUDT15; Polyclonal Antibody; NUDT15 Antibody (C-term); Probable 8-oxo-dGTP diphosphatase NUDT15; 8-oxo-dGTPase NUDT15; 8-dihydro-8-oxoguanine-triphosphatase NUDT15; MutT homolog 2; MTH2; Nucleoside diphosphate-linked moiety X motif 15; Nudix motif 15; anti-NUDT15 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NUDT15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-118 amino acids from the C-terminal region of human NUDT15.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	89-118
Sequence Length	164
Applicable Applications for anti-NUDT15 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

NUDT15 Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

NUDT15 antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NUDT15 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

**WB (Western Blot)**

NUDT15 Antibody (C-term) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the NUDT15 antibody detected the NUDT15 protein (arrow).

**WB (Western Blot)**

NUDT15 Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the NUDT15 antibody detected the NUDT15 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-NUDT15 antibody	Mediates the hydrolysis of some nucleoside diphosphate derivatives. Can degrade 8-oxo-dGTP in vitro, suggesting that it may remove an oxidatively damaged form of guanine (7,8-dihydro-8-oxoguanine) from DNA and the nucleotide pool, thereby preventing misincorporation of 8-oxo-dGTP into DNA thus preventing A:T to C:G transversions. Its substrate specificity in vivo however remains unclear (By similarity). May have a role in DNA synthesis and cell cycle progression through the interaction with PCNA.
References	Hori, M., et al. Free Radic. Biol. Med. 48(9):1197-1201(2010) Yu, Y., et al. J. Biol. Chem. 284(29):19310-19320(2009) Dunham, A., et al. Nature 428(6982):522-528(2004) Cai, J.P., et al. Biochem. Biophys. Res. Commun. 305(4):1073-1077(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	8922792
NCBI GeneID	55270
NCBI Accession #	NP_060753.1
NCBI GenBank Nucleotide #	NM_018283.2
UniProt Accession #	Q9NV35 ; Q32Q27 ; Q6P2C9 ; A2RUR6
Molecular Weight	18609
NCBI Official Full Name	probable 8-oxo-dGTP diphosphatase NUDT15 isoform 1
NCBI Official Synonym Full Names	nudix (nucleoside diphosphate linked moiety X)-type motif 15
NCBI Official Symbol	NUDT15
NCBI Official Synonym Symbols	MTH2
NCBI Protein Information	probable 8-oxo-dGTP diphosphatase NUDT15
UniProt Protein Name	Probable 8-oxo-dGTP diphosphatase NUDT15
UniProt Gene Name	NUDT15
UniProt Synonym Gene Names	MTH2; 8-oxo-dGTPase NUDT15; MTH2; Nudix motif 15
UniProt Entry Name	NUDT15_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/polyclonal/nudt15-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/283834>