10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NUDT8 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10560a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q8WV74
Other Accession	NP_862826.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27955
Calculated MW	25370
Antigen Region	42-70

Additional Information

Gene ID	254552
Other Names	Nucleoside diphosphate-linked moiety X motif 8, mitochondrial, Nudix motif 8, 361-, NUDT8
Target/Specificity	This NUDT8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-70 amino acids from the N-terminal region of human NUDT8.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NUDT8 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NUDT8
Function	Acyl-CoA diphosphatase that mediates the hydrolysis of a wide range of CoA

and CoA esters yielding 3',5'-ADP and the corresponding 4'-phosphopantetheine derivative as products (By similarity). Hydrolyzes short- and medium-chain acyl-CoAs, exhibiting the highest activity toward free CoA, hexanoyl-CoA, and octanoyl-CoA and the lowest activity against acetyl-CoA (By similarity). Exhibits decapping activity towards dpCoA-capped RNAs in vitro (By similarity).

Cellular Location Mitochondrion {ECO:0000250|UniProtKB:Q9CR24}.

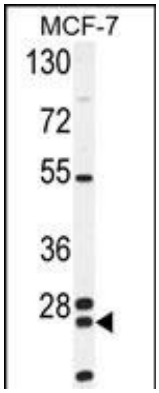
Background

Probably mediates the hydrolysis of some nucleoside diphosphate derivatives (By similarity).

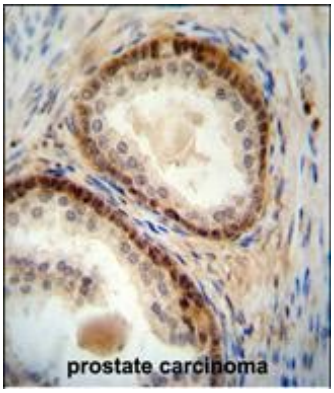
References

Gasmi, L., et al. Biochem. J. 357 (PT 1), 33-38 (2001) :

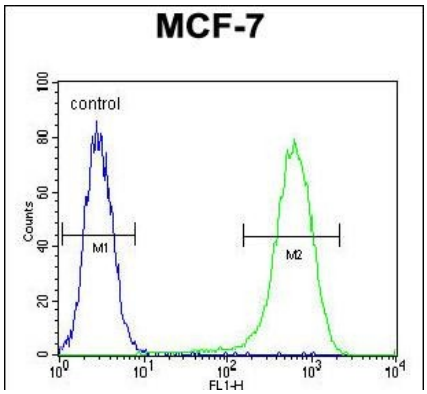
Images



NUDT8 Antibody (N-term) (Cat. #AP10560a) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the NUDT8 antibody detected the NUDT8 protein (arrow).



NUDT8 antibody (N-term) (Cat. #AP10560a) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NUDT8 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



NUDT8 Antibody (N-term) (Cat. #AP10560a) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.