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NUDT2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NUDT2.
Catalog # AT3128a

Product Information

Application	WB, E
Primary Accession	P50583
Other Accession	BC004926
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	4A4-3C3
Calculated MW	16829

Additional Information

Gene ID	318
Other Names	Bis(5'-nucleosyl)-tetraphosphatase [asymmetrical], Diadenosine 5', 5'''-P1, P4-tetraphosphate asymmetrical hydrolase, Ap4A hydrolase, Ap4Aase, Diadenosine tetraphosphatase, Nucleoside diphosphate-linked moiety X motif 2, Nudix motif 2, NUDT2, APAH1
Target/Specificity	NUDT2 (AAH04926, 1 a.a. ~ 147 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NUDT2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

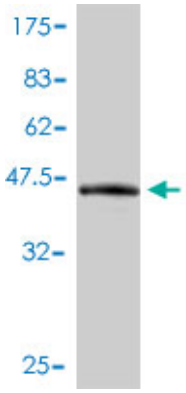
Background

This gene encodes a member of the MutT family of nucleotide pyrophosphatases, a subset of the larger NUDIX hydrolase family. The gene product possesses a modification of the MutT sequence motif found in certain nucleotide pyrophosphatases. The enzyme asymmetrically hydrolyzes Ap4A to yield AMP and ATP and is responsible for maintaining the intracellular level of the dinucleotide Ap4A, the function of which has yet to be established. This gene may be a candidate tumor suppressor gene. Alternative splicing has been observed at this locus and three transcript variants, all encoding the same protein, have been identified.

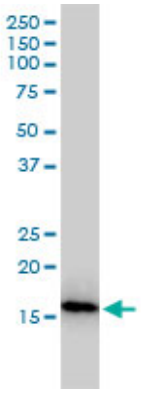
References

1.Nudix-type motif 2 (NUDT2) in human breast carcinoma: A potent prognostic factor associated with cell proliferation.Oka K, Suzuki T, Onodera Y, Miki Y, Takagi K, Nagasaki S, Akahira JI, Ishida T, Watanabe M, Hirakawa H, Ohuchi N, Sasano H.Int J Cancer. 2010 Jun 9. [Epub ahead of print]

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (41.91 KDa) .

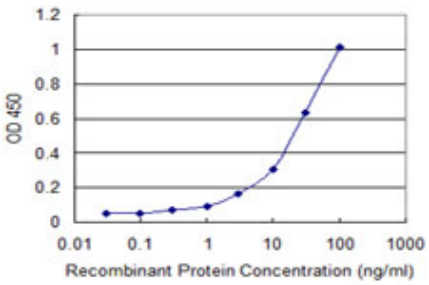


NUDT2 monoclonal antibody (M01), clone 4A4-3C3
Western Blot analysis of NUDT2 expression in Jurkat ((Cat # AT3128a)



Western Blot analysis of NUDT2 expression in transfected 293T cell line by NUDT2 monoclonal antibody (M01), clone 4A4-3C3.

Lane 1: NUDT2 transfected lysate(16.8 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged NUDT2 is approximately 0.3ng/ml as a capture antibody.

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