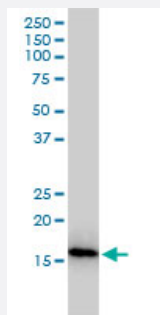


NUDT2 monoclonal antibody (M01), clone 4A4-3C3

Catalog # H00000318-M01

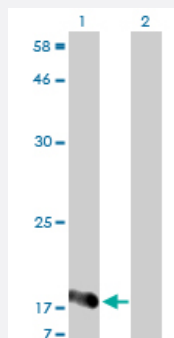
Size 100 ug

Applications



Western Blot (Cell lysate)

NUDT2 monoclonal antibody (M01), clone 4A4-3C3 Western Blot analysis of NUDT2 expression in Jurkat (Cat # L017V1).

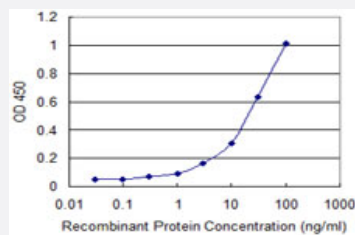


Western Blot (Transfected lysate)

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

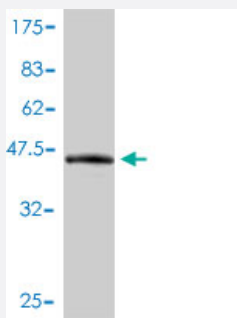
Lane 1: NUDT2 transfected lysate(16.8 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (41.91 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant NUDT2.
Immunogen	NUDT2 (AAH04926, 1 a.a. ~ 147 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MALRACGLIIFRRCLIPKVDNNAIEFLLQASDGIHHWTPPKGHVEPGEDDLETALRETQEEAGIEA GQLTIIEGFKRELNYVARNKPKTVYWLAEVKDYDVEIRLSHEHQAYRWLGLEEACQLAQFKEMKA ALQEGHQFLCSIEA
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (41.91 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

NUDT2 monoclonal antibody (M01), clone 4A4-3C3 Western Blot analysis of NUDT2 expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — NUDT2

Entrez GeneID [318](#)

GeneBank Accession# [BC004926](#)

Protein Accession# [AAH04926](#)

Gene Name NUDT2

Gene Alias APAH1, MGC10404

Gene Description nudix (nucleoside diphosphate linked moiety X)-type motif 2

Omim ID [602852](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

Ap4A hydrolase 1|Ap4Aase|OTTHUMP00000021256|OTTHUMP00000021257|OTTHUMP00000021258|OTTHUMP00000021259|bis(5'-nucleosyl)-tetraphosphatase (asymmetrical)|diadenosine 5',5''-P1,P4-tetraphosphate pyrophosphohydrolase|diadenosine tetraphosphatase|nudix-type motif

Publication Reference

- [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.

International Journal of Cancer 2011 Apr; 128(8):1770.

Application: IHC-P, WB-Tr, Human, Human breast carcinoma, T-47D, MCF-7 cells

Pathway

- [Purine metabolism](#)
- [Pyrimidine metabolism](#)