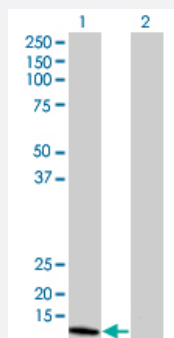


NUDT1 monoclonal antibody (M02), clone 5F11

Catalog # H00004521-M02

Size 100 ug

Applications

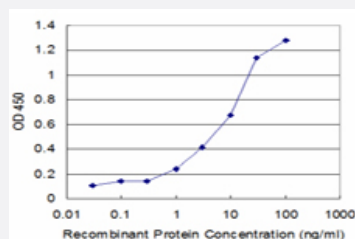


Western Blot (Transfected lysate)

Western Blot analysis of NUDT1 expression in transfected 293T cell line by NUDT1 monoclonal antibody (M02), clone 5F11.

Lane 1: NUDT1 transfected lysate (18 kDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NUDT1 is approximately 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (45.43 kDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant NUDT1.

Immunogen	NUDT1 (AAH14618, 1 a.a. ~ 179 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSGISPQQMGEPEGWSGKNPGTMGASRLYTLVLVLQPQRVLLGMKKRGFGAGRWNGFGGKV QEGETIEDGARRELQEESGLTVDALHKVGQVFEFVGEPELMDVHVFC TDSIQGTPVESDEM RP CWFQLDQIPFKDMWPDDSYWFPLLLQKKKFHGYFKFQGQDTILDYTLREVDTV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (85)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (45.43 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 (Transfected lysate)

Western Blot analysis of NUDT1 expression in transfected 293T cell line by NUDT1 monoclonal antibody (M02), clone 5F11.

Lane 1: NUDT1 transfected lysate(18 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NUDT1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NUDT1

Entrez GeneID	4521
GeneBank Accession#	BC014618
Protein Accession#	AAH14618
Gene Name	NUDT1
Gene Alias	MTH1
Gene Description	nudix (nucleoside diphosphate linked moiety X)-type motif 1
Omim ID	600312
Gene Ontology	Hyperlink
Gene Summary	Misincorporation of oxidized nucleoside triphosphates into DNA/RNA during replication and transcription can cause mutations that may result in carcinogenesis or neurodegeneration. The protein encoded by this gene is an enzyme that hydrolyzes oxidized purine nucleoside triphosphates, such as 8-oxo-dGTP, 8-oxo-dATP, 2-hydroxy-dATP, and 2-hydroxy rATP, to monophosphates, thereby preventing misincorporation. The encoded protein is localized mainly in the cytoplasm, with some in the mitochondria, suggesting that it is involved in the sanitization of nucleotide pools both for nuclear and mitochondrial genomes. Several alternatively spliced transcript variants, some of which encode distinct isoforms, have been identified. Additional variants have been observed, but their full-length natures have not been determined. A single-nucleotide polymorphism that results in the production of an additional, longer isoform (p26) has been described. [provided by RefSeq]
Other Designations	7,8-dihydro-8-oxoguanine triphosphatase 8-oxo-7,8-dihydrodeoxyguanosine triphosphatase 8-oxo-7,8-dihydroguanosine triphosphatase 8-oxo-dGTPase OTTHUMP00000024690 OTTHUMP00000115537 OTTHUMP00000115538 OTTHUMP00000115539 OTTHUMP00000115540 mutT human homolo

Disease

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- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Breast cancer](#)
- [Carcinoma](#)
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- [Head and Neck Neoplasms](#)
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- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mouth Neoplasms](#)
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- [Occupational Diseases](#)
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