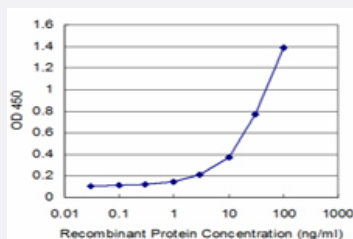


# NUDT2 monoclonal antibody (M03), clone S1

Catalog # H00000318-M03

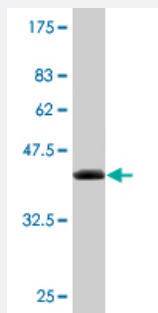
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NUDT2 is approximately 1ng/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

MALRACGLIIFRRCLIPKVDNNAIEFLLLQASDGIHHWTPPKGHVEPGEDDLETALRETQEEAGIEA  
GQLTIIIEGFKRELNYVARNKPKTVIYWLAEVKDYDVEIRLSHEHQAYRWLGLLEEACQLAQFKEMKA  
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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NUDT2 is approximately 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — NUDT2

Entrez GeneID	<a href="#">318</a>
GeneBank Accession#	<a href="#">BC004926</a>
Protein Accession#	<a href="#">AAH04926</a>
Gene Name	NUDT2
Gene Alias	APAH1, MGC10404
Gene Description	nudix (nucleoside diphosphate linked moiety X)-type motif 2
Omim ID	<a href="#">602852</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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

**Pathway**

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