

NUDT3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NUDT3.

Catalog # AT3131a

Specification

NUDT3 Antibody (monoclonal) (M01) - Product Information

| | |
|-------------------|--------------------------|
| Application | WB, E |
| Primary Accession | O95989 |
| Other Accession | BC007727 |
| Reactivity | Human |
| Host | mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 kappa |
| Calculated MW | 19471 |

NUDT3 Antibody (monoclonal) (M01) - Additional Information

Gene ID 11165

Other Names

Diphosphoinositol polyphosphate phosphohydrolase 1, DIPP-1, Diadenosine 5', 5'''-P1, P6-hexaphosphate hydrolase 1, 361-, Nucleoside diphosphate-linked moiety X motif 3, Nudix motif 3, NUDT3, DIPP, DIPP1

Target/Specificity

NUDT3 (AAH07727, 1 a.a. ~ 172 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

NUDT3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

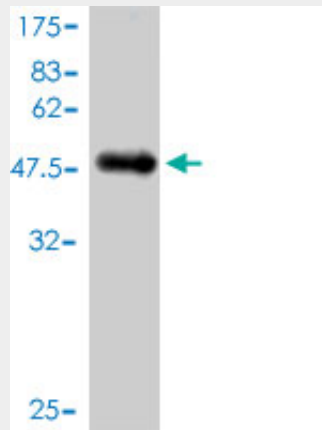
NUDT3 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

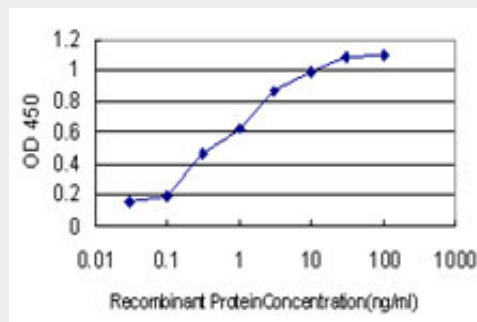
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NUDT3 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (44.66 kDa).



Detection limit for recombinant GST tagged NUDT3 is approximately 0.03ng/ml as a capture antibody.

NUDT3 Antibody (monoclonal) (M01) - Background

NUDT3 belongs to the MutT, or Nudix, protein family. Nudix proteins act as homeostatic checkpoints at important stages in nucleoside phosphate metabolic pathways, guarding against elevated levels of potentially dangerous intermediates, like 8-oxo-dGTP, which promotes AT-to-CG transversions (Safrany et al., 1998 [PubMed 9822604]).

NUDT3 Antibody (monoclonal) (M01) - References

Identification of 15 loci influencing height in a Korean population. Kim JJ, et al. *J Hum Genet*, 2010 Jan. PMID 19893584. Crystal structure of human diphosphoinositol phosphatase 1. Thorsell AG, et al. *Proteins*, 2009 Oct. PMID 19585659. A large-scale genome-wide association study of Asian populations uncovers genetic factors influencing eight quantitative traits. Cho YS, et al. *Nat Genet*, 2009 May. PMID 19396169. Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. *Nature*, 2005 Oct 20. PMID 16189514. A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. *Cell*, 2005 Sep 23. PMID 16169070.