

**NUDT4 Antibody (monoclonal) (M08)****Mouse monoclonal antibody raised against a full length recombinant NUDT4.****Catalog # AT3132a****Specification****NUDT4 Antibody (monoclonal) (M08) - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q9NZJ9</a>
Other Accession	<a href="#">BC012069</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	20306

**NUDT4 Antibody (monoclonal) (M08) - Additional Information****Gene ID 11163****Other Names**

Diphosphoinositol polyphosphate phosphohydrolase 2, DIPP-2, Diadenosine 5', 5'''-P1, P6-hexaphosphate hydrolase 2, 361-, Nucleoside diphosphate-linked moiety X motif 4, Nudix motif 4, NUDT4, DIPP2, KIAA0487

**Target/Specificity**

NUDT4 (AAH12069, 1 a.a. ~ 181 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**

NUDT4 Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

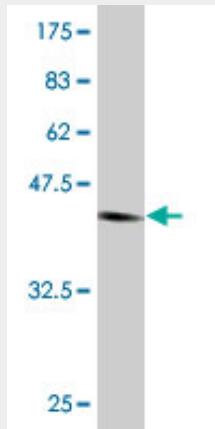
**NUDT4 Antibody (monoclonal) (M08) - Protocols**

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

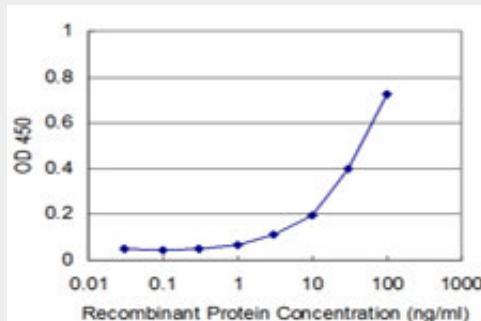
- [Western Blot](#)

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

### NUDT4 Antibody (monoclonal) (M08) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (45.65 KDa) .



Detection limit for recombinant GST tagged NUDT4 is approximately 3ng/ml as a capture antibody.

### NUDT4 Antibody (monoclonal) (M08) - Background

The protein encoded by this gene regulates the turnover of diphosphoinositol polyphosphates. The turnover of these high-energy diphosphoinositol polyphosphates represents a molecular switching activity with important regulatory consequences. Molecular switching by diphosphoinositol polyphosphates may contribute to regulating intracellular trafficking. Several alternatively spliced transcript variants have been described, but the full-length nature of some variants has not been determined. Isoforms DIPP2alpha and DIPP2beta are distinguishable from each other solely by DIPP2beta possessing one additional amino acid due to intron boundary skidding in alternate splicing.

### NUDT4 Antibody (monoclonal) (M08) - References

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. *Genome Res*, 2004 Oct. PMID 15489334. Lineage-specific gene duplication and loss in human and great ape evolution. Fortna A, et al. *PLoS Biol*, 2004 Jul. PMID

15252450. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932. Nudix hydrolases that degrade dinucleoside and diphosphoinositol polyphosphates also have 5-phosphoribosyl 1-pyrophosphate (PRPP) pyrophosphatase activity that generates the glycolytic activator ribose 1,5-bisphosphate. Fisher DI, et al. J Biol Chem, 2002 Dec 6. PMID 12370170. Cloning and characterisation of hAps1 and hAps2, human diadenosine polyphosphate-metabolising Nudix hydrolases. Leslie NR, et al. BMC Biochem, 2002 Jul 16. PMID 12121577.