

NUDT3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NUDT3.

Catalog # AT3131a

Product Information

Application	WB, E
Primary Accession	O95989
Other Accession	BC007727
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	3C5
Calculated MW	19471

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.

Background

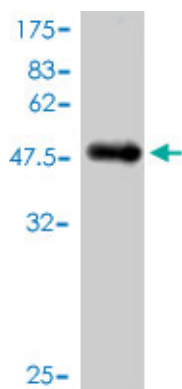
NUDT3 belongs to the MutT, or Nudix, protein family. Nudix proteins act as homeostatic checkpoints at important stages in nucleoside phosphate metabolic pathways, guarding against elevated levels of potentially dangerous intermediates, like 8-oxo-dGTP, which promotes AT-to-CG transversions (Safrany et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

References

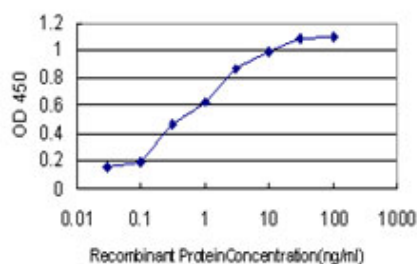
Identification of 15 loci influencing height in a Korean population. Kim JJ, et al. J Hum Genet, 2010 Jan. PMID

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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.