

Datasheet

NUDT2 monoclonal antibody (M01), clone 4A4-3C3

Catalog Number: H00000318-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant NUDT2.

Clone Name: 4A4-3C3

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:

MALRACGLIIFRRCLIPKVDNNAIEFLLQASDGIHHWT
PPKGHVEPGEDDLETALRETQEEAGIEAGQLTIIEGFK
RELNYVARNKPKTVIYWLAEVKDYDVEIRLSHEHQAYR
WLGLEEACQLAQFKEMKAALQEGHQFLCSIEA

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 318

Gene Symbol: NUDT2

Gene Alias: APAH1, MGC10404

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]

References:

1. Nudix-type motif 2 (NUDT2) in human breast carcinoma: A potent prognostic factor associated with cell proliferation. Oka K, Suzuki T, Onodera Y, Miki Y, Takagi K, Nagasaki S, Akahira JI, Ishida T, Watanabe M, Hirakawa H, Ohuchi N, Sasano H. Int J Cancer. 2010 Jun 9. [Epub ahead of print]