NKMAXBio we support you, we believe in your research Human Nicotinamide N-Methyltransferase/NNMT antibody Catalog Number: ATGA0392

PRODUCT INFORMATION

Catalog number ATGA0392

Clone No. AT11G11

Product type Monoclonal Antibody

UnitProt No. P40261

NCBI Accession No. NP_006160

Alternative Names Nicotinamide N-methyltransferase

PRODUCT SPECIFICATION

Antibody Host Mouse

Reacts With Human

Concentration 1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human NNMT (1-264aa) purified from E. coli

lsotype

lgG2a kappa

Purification Note By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF, FACS

Usage

The antibody has been tested by ELISA, Western blot analysis, Flow cytometry and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

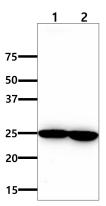
N-methylation is one method by which drug and other xenobiotic compounds are metabolized by the liver. This gene encodes the protein responsible for this enzymatic activity which uses S-adenosyl methionine as the methyl donor.

General References

Aksoy S., et al. (1995) Genomics. 29(3): 555-61. Gerhard DS., et al. (2004) Genome Res. 14(10B): 2121-7. Riederer M., et al. (2009) Atherosclerosis. 204(2): 412-7.

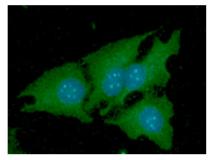
DATA

Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NNMT antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: A549 cell lysate

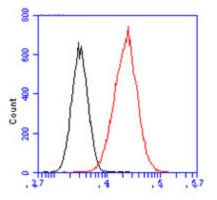
Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of NNMT in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human NNMT antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

Flow cytometry (FACS)

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Flow cytometry analysis of NNMT in HeLa cell line, staining at 2-5ug for 1x106cells (red line). The secondary antibody used goat antimouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

Alexa488-anti-

