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# 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

# Isotype

IgG2a 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**

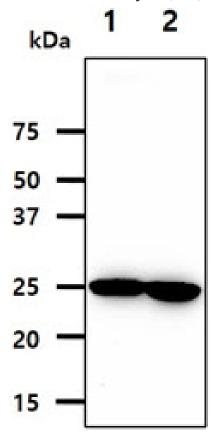
N-methylation is one method by which drug and other xenobiotic compounds are metabolized by the liver. This gene encodes the protein responsible for this enzymatic activity which uses S-adenosyl methionine as the methyl donor.

# **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.

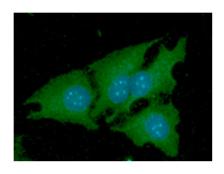
Lane 1.: HeLa cell lysate Lane 2.: A549 cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



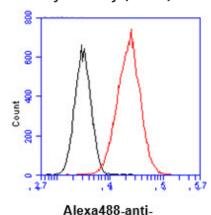
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ICC/IF analysis of NNMT in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human NNMT antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

# Flow cytometry (FACS)



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).

