

## Product datasheet

# Anti-NNMT antibody ab272669

6 Images

### Overview

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<b>Product name</b>	Anti-NNMT antibody
<b>Description</b>	Rabbit polyclonal to NNMT
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human NNMT aa 150-300. Database link: <a href="#">P40261</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: U-2 OS cells. ICC: SiHa cells. IHC-P: Human liver, kidney and skin tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab272669 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml.

## Target

### Function

Catalyzes the N-methylation of nicotinamide and other pyridines to form pyridinium ions. This activity is important for biotransformation of many drugs and xenobiotic compounds.

### Tissue specificity

Predominantly expressed in the liver. A lower expression is seen in the kidney, lung, skeletal muscle, placenta and heart. Not detected in the brain or pancreas.

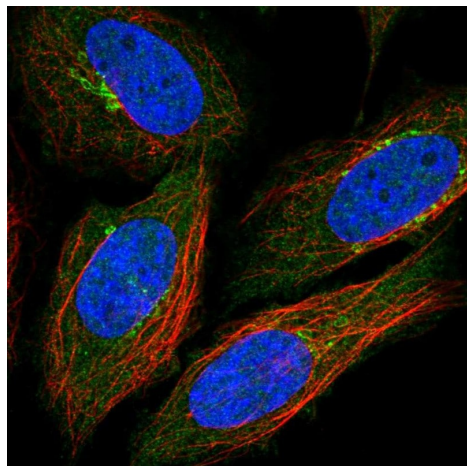
### Sequence similarities

Belongs to the NNMT/PNMT/TEMT family.

### Cellular localization

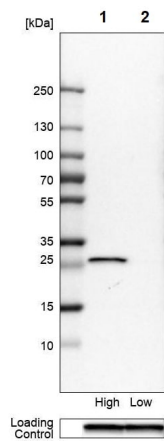
Cytoplasm.

## Images



PFA fixed, Triton X-100 permeabilized SiHa cells (human cervical carcinoma cell line) labeling NNMT (green) using ab272669 at 2 µg/ml in ICC/IF analysis.

Immunocytochemistry/ Immunofluorescence - Anti-NNMT antibody (ab272669)



Western blot - Anti-NNMT antibody (ab272669)

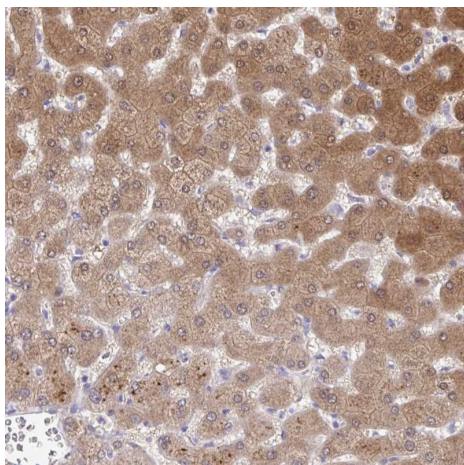
**All lanes** : Anti-NNMT antibody (ab272669) at 0.4  $\mu\text{g/ml}$

**Lane 1** : U-2 OS cells (Human bone osteosarcoma epithelial cell line)

**Lane 2** : SK-MEL-30 cells (Human cutaneous melanoma cell line)

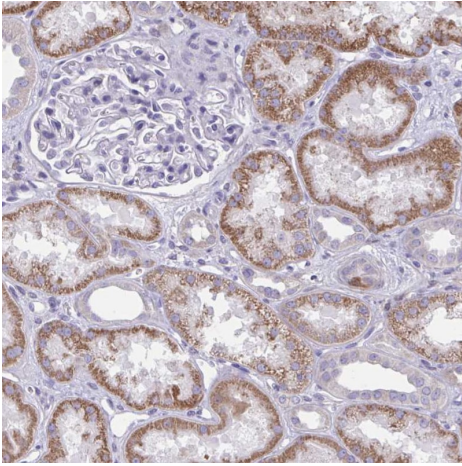
Corresponding NNMT RNA-seq data are presented for the same cell lines.

Loading control: Anti-GAPDH.



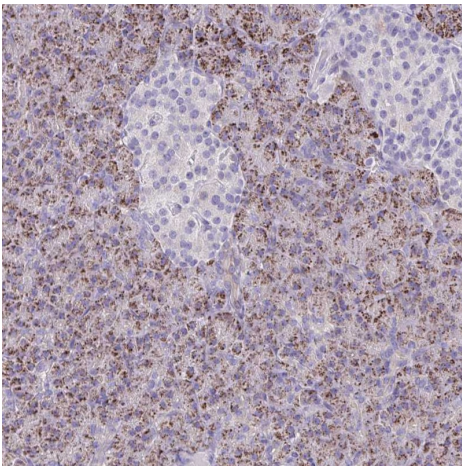
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NNMT antibody (ab272669)

Immunohistochemical analysis of human liver tissue labeling NNMT with ab272669 at a 1/500 dilution.



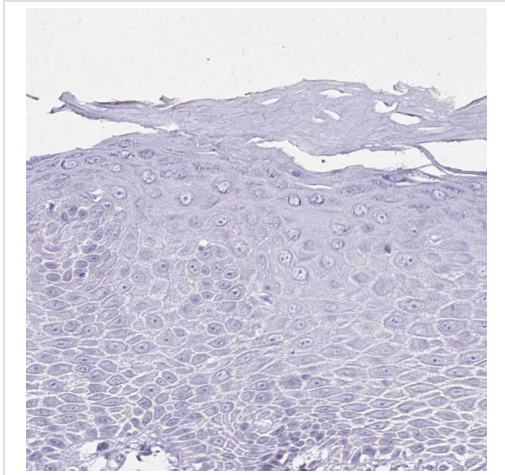
Immunohistochemical analysis of human kidney tissue labeling NNMT with ab272669 at a 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NNMT antibody (ab272669)



Immunohistochemical analysis of human pancreas tissue labeling NNMT with ab272669 at a 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NNMT antibody (ab272669)



Immunohistochemical analysis of human skin tissue labeling NNMT with ab272669 at a 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NNMT antibody (ab272669)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

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