

**ADAT1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17954a**

**Specification**

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**ADAT1 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9BUB4</a>
Other Accession	<a href="#">NP_036223.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55392
Antigen Region	34-60

**ADAT1 Antibody (N-term) - Additional Information**

**Gene ID** 23536

**Other Names**

tRNA-specific adenosine deaminase 1, hADAT1, tRNA-specific adenosine-37 deaminase, ADAT1

**Target/Specificity**

This ADAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-60 amino acids from the N-terminal region of human ADAT1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ADAT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ADAT1 Antibody (N-term) - Protein Information**

**Name** ADAT1

**Function** Specifically deaminates adenosine-37 to inosine in tRNA-Ala.

### Tissue Location

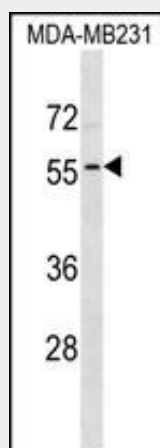
Ubiquitously expressed.

### ADAT1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ADAT1 Antibody (N-term) - Images



ADAT1 Antibody (N-term) (Cat. #AP17954a) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the ADAT1 antibody detected the ADAT1 protein (arrow).

### ADAT1 Antibody (N-term) - Background

This gene is a member of the ADAR (adenosine deaminase acting on RNA) family. Using site-specific adenosine modification, proteins encoded by these genes participate in the pre-mRNA editing of nuclear transcripts. The protein encoded by this gene, tRNA-specific adenosine deaminase 1, is responsible for the deamination of adenosine 37 to inosine in eukaryotic tRNA. Alternatively spliced transcript variants have been described.

### ADAT1 Antibody (N-term) - References

Dastani, Z., et al. Eur. J. Hum. Genet. 18(3):342-347(2010)  
Maas, S., et al. Proc. Natl. Acad. Sci. U.S.A. 96(16):8895-8900(1999)