

DNMT2 polyclonal antibody
Rabbit Polyclonal Antibody
Catalog # ABV11382**Specification**

DNMT2 polyclonal antibody - Product Information

Application	WB, E
Primary Accession	O14717
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44597

DNMT2 polyclonal antibody - Additional Information**Gene ID** 1787

Positive Control	Western blot: NIH3T3 and embryonic stem cells, ELISA: Peptides.
Application & Usage	Western Blot: 1:1000, ELISA: 1:100 - 1:1000

Other Names

TRDMT1, M.HsaIIP, PuMet, RNMT1

Target/Specificity

DNMT2

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

In PBS with 0.05% (W/V) sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

DNMT2 polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DNMT2 polyclonal antibody - Protein Information

Name TRDMT1

Synonyms DNMT2 {ECO:0000303|PubMed:16424344}

Function

Specifically methylates cytosine 38 in the anticodon loop of tRNA(Asp) (PubMed:16424344). Has higher activity on tRNA(Asp) modified with queuosine at position 34 (PubMed:30093495).

Cellular Location

Cytoplasm.

Tissue Location

Ubiquitous. Higher expression in testis, ovary and thymus and at much lower levels in spleen, prostate, colon, small intestine, and peripheral blood leukocytes

DNMT2 polyclonal antibody - 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](#)

DNMT2 polyclonal antibody - Images

DNMT2 polyclonal antibody - Background

Dnmt2 belongs to the family of DNA cytosine methyltransferases. Dnmt2, however, lacks the large N-terminal regulatory domain common to other eukaryotic methyltransferases and does not methylate CpG in genomic DNA. Instead, it specifically methylates cytosine 38 in the anticodon loop of Asp transfer RNA.