

**Anti-TPMT Rabbit Monoclonal Antibody**  
**Catalog # ABO16387****Specification**

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**Anti-TPMT Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, FC
Primary Accession	<a href="#">P51580</a>
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-TPMT Rabbit Monoclonal Antibody . Tested in WB, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

**Anti-TPMT Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 7172

**Other Names**

Thiopurine S-methyltransferase, 2.1.1.67, Thiopurine methyltransferase, TPMT

**Calculated MW**

30 kDa KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>FC 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human TPMT

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-TPMT Rabbit Monoclonal Antibody - Protein Information**

**Name** TPMT

**Function**

Catalyzes the S-methylation of thiopurine drugs such as 6- mercaptopurine (also called mercaptopurine, 6-MP or its brand name Purinethol) and 6-thioguanine (also called tioguanine or 6-TG) using S- adenosyl-L-methionine as the methyl donor (PubMed:<a href="http://www.uniprot.org/citations/18484748" target="\_blank">18484748</a>, PubMed:<a href="http://www.uniprot.org/citations/657528" target="\_blank">657528</a>). TPMT activity modulates the cytotoxic effects of thiopurine prodrugs. A natural substrate for this enzyme has yet to be identified.

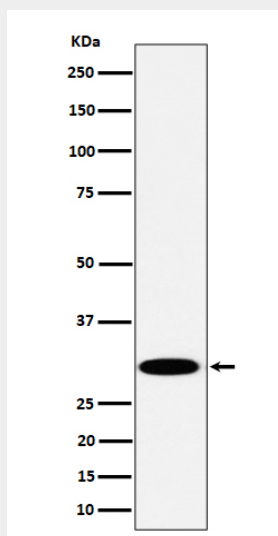
**Cellular Location**

Cytoplasm.

**Anti-TPMT Rabbit Monoclonal 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](#)

**Anti-TPMT Rabbit Monoclonal Antibody - Images**

Western blot analysis of TPMT expression in Jurkat cell lysate.