

# TPMT Antibody

Rabbit mAb

Catalog # AP92927

## Product Information

<b>Application</b>	WB, IHC, FC
<b>Primary Accession</b>	<a href="#">P51580</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Thiopurine methyltransferase; TPMT;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	28180

## Additional Information

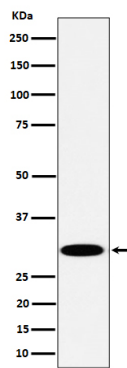
<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human TPMT
<b>Description</b>	Catalyzes the S-methylation of thiopurine drugs such as 6-mercaptopurine.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	TPMT
<b>Function</b>	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="#">18484748</a> , PubMed: <a href="#">657528</a> ). TPMT activity modulates the cytotoxic effects of thiopurine prodrugs. A natural substrate for this enzyme has yet to be identified.
<b>Cellular Location</b>	Cytoplasm.

## Images

Western blot analysis of TPMT expression in Jurkat cell lysate.



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