

Product Name: TPMT (3H2) Rabbit Monoclonal Antibody
Catalog #: AMRe19157

Summary

Production Name	TPMT (3H2) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	TPMT
Alternative Names	Thiopurine methyltransferase; TPMT;
Gene ID	7172.0
SwissProt ID	P51580.A synthetic peptide of human TPMT

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	28kDa

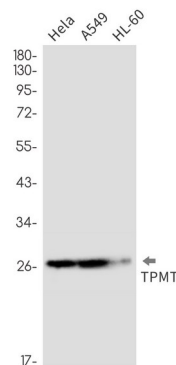
Background

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Catalyzes the S-methylation of thiopurine drugs such as 6-mercaptopurine. 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:[657528](http://www.uniprot.org/citations/657528), PubMed:[18484748](http://www.uniprot.org/citations/18484748)). TPMT activity modulates the cytotoxic effects of thiopurine prodrugs. A natural substrate for this enzyme has yet to be identified.

Research Area

Image Data



Western blot detection of TPMT in HeLa, A549, HL-60 cell lysates using TPMT antibody (1:1000 diluted).

Note

For research use only.