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TPMT Antibody

Rabbit mAb
Catalog # AP92927

Product Information

Application	WB, IHC, FC
Primary Accession	P51580
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Thiopurine methyltransferase; TPMT;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	28180

Additional Information

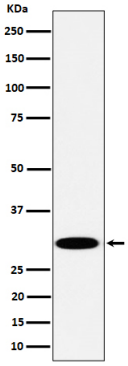
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TPMT
Description	Catalyzes the S-methylation of thiopurine drugs such as 6-mercaptopurine.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 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

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:18484748, PubMed:657528). TPMT activity modulates the cytotoxic effects of thiopurine prodrugs. A natural substrate for this enzyme has yet to be identified.
Cellular Location	Cytoplasm.

Images

Western blot analysis of TPMT expression in Jurkat cell lysate.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.