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TPMT Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56588

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P51580
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28180

Additional Information

Gene ID	7172
Other Names	Thiopurine S-methyltransferase, 2.1.1.67, Thiopurine methyltransferase, TPMT
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

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