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Product datasheet for TA326891S

TPMT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, WB
Recommended Dilution:	WB,1:500 - 1:2000 IF/ICC,1:10 - 1:100 ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	28kDa
Gene Name:	thiopurine S-methyltransferase
Database Link:	NP_000358 Entrez Gene 22017 MouseEntrez Gene 690050 RatEntrez Gene 7172 Human P51580
Background:	This gene encodes the enzyme that metabolizes thiopurine drugs via S-adenosyl-L-methionine as the S-methyl donor and S-adenosyl-L-homocysteine as a byproduct. Thiopurine drugs such as 6-mercaptopurine are used as chemotherapeutic agents. Genetic polymorphisms that affect this enzymatic activity are correlated with variations in sensitivity and toxicity to such drugs within individuals, causing thiopurine S-methyltransferase deficiency. Related pseudogenes have been identified on chromosomes 3, 18 and X.

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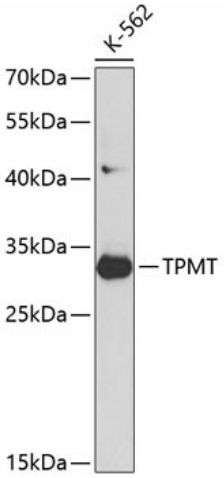
Synonyms: OTTHUMP00000016076; S-adenosyl-L-methionine:thiopurine S-methyltransferase; thiopurine methyltransferase; thiopurine S-methyltransferase

Protein Families: Druggable Genome

Protein Pathways: Drug metabolism - other enzymes

Product images:



Western blot analysis of lysates from K562 cells