

## TPMT Antibody

Catalog No: #32120

Package Size: #32120-1 50ul #32120-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

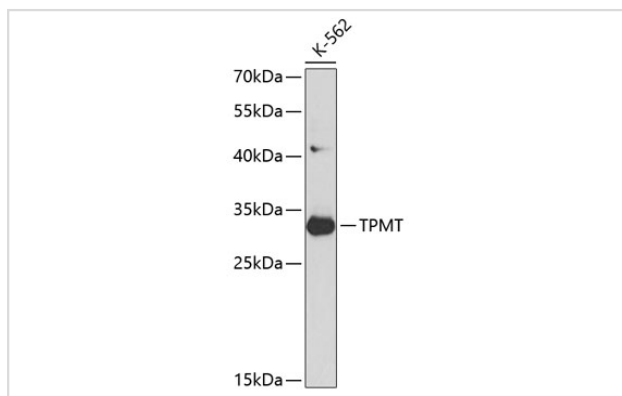
## Description

Product Name	TPMT Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human
Specificity	The antibody detects endogenous level of total TPMT protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human TPMT.
Target Name	TPMT
Other Names	TPMT; Thiopurinemethyltransferase; thiopurineSmethyltransferase;
Accession No.	Swiss-Prot:P51580NCBI Gene ID:7172
Uniprot	P51580
GeneID	7172;
SDS-PAGE MW	28KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

WB □ 1:500 - 1:2000IF □ 1:10 - 1:100

## Images



Western blot analysis of extracts of K562 cells, using TPMT at 1:1000 dilution.

## Background

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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. A pseudogene for this locus is located on chromosome 18q.

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Note: This product is for in vitro research use only