

Note: Centrifuge before opening to ensure complete recovery of vial contents.

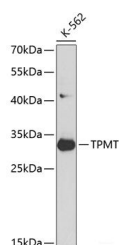
Description

Reactivity	Human
Immunogen	Recombinant fusion protein of human TPMT (NP_000358.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications Recommended Dilution

WB	1:500-1:2000
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Data



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

Observed Mw:28kDa
Calculated Mw:28kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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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