

## TPMT

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

**Calculated MW:** 28kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human TPMT

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

TPMT ; Thiopurine methyltransferase; thiopurine S methyltransferase

**Catalog #:** A1017

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 7172

**Isotype:** IgG

**Swiss Prot:** P51580

**Purity:** Affinity purification

For research use only.

**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. A pseudogene for this locus is located on chromosome 18q. [provided by RefSeq, Jul 2008]

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