

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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