

A1017

Leader in Biomolecular Solutions for Life Science



TPMT Rabbit pAb

Catalog No.: A1017

Basic Information

Observed MW

28kDa

Calculated MW

28kDa

Category

Mouse Monoclonal Antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human

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.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:10 - 1:100

Immunogen Information

Gene ID

7172

Swiss Prot

P51580

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-245 of human TPMT (NP_000358.1).

Synonyms

TPMTD; TPMT

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

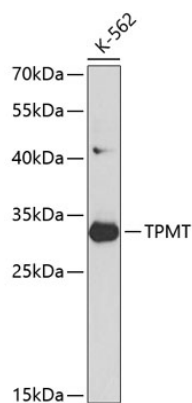
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of K562 cells, using TPMT antibody (A1017) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.