

Datasheet for ABIN7270797

**anti-TPMT antibody**[Go to Product page](#)**1** Image

## Overview

|              |                                     |
|--------------|-------------------------------------|
| Quantity:    | 100 µL                              |
| Target:      | TPMT                                |
| Reactivity:  | Human                               |
| Host:        | Rabbit                              |
| Clonality:   | Monoclonal                          |
| Conjugate:   | This TPMT antibody is un-conjugated |
| Application: | Western Blotting (WB)               |

## Product Details

|                   |                                    |
|-------------------|------------------------------------|
| Purpose:          | TPMT Rabbit mAb                    |
| Immunogen:        | Recombinant protein of Human TPMT. |
| Isotype:          | IgG                                |
| Cross-Reactivity: | Human, Mouse, Rat                  |
| Characteristics:  | Monoclonal Antibodies              |
| Purification:     | Affinity purification              |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | TPMT   |
| Alternative Name: | TPMT ( <a href="#">TPMT Products</a> )   |
| Background:       | This gene encodes the enzyme that metabolizes thiopurine drugs via S-adenosyl-L-methionine |

## Target Details

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.,TPMT,TPMTD,Signal Transduction,Endocrine & Metabolism,Drug metabolism,TPMT

Molecular Weight: 28kDa

Gene ID: 7172

UniProt: [P51580](#)

## Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

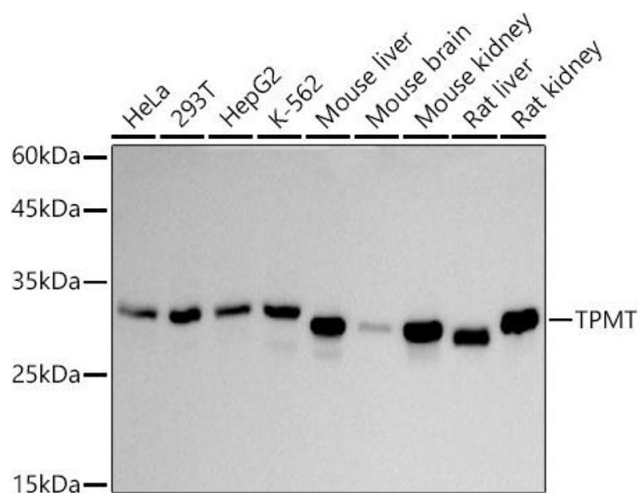
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

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



#### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using TPMT antibody (ABIN7270797) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.