

TPMT Antibody
Rabbit Polyclonal Antibody
Catalog # ALS16172**Specification**

TPMT Antibody - Product Information

Application	WB, IHC
Primary Accession	P51580
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28kDa KDa

TPMT Antibody - Additional Information**Gene ID** 7172**Other Names**

Thiopurine S-methyltransferase, 2.1.1.67, Thiopurine methyltransferase, TPMT

Target/Specificity

Human TPMT

Reconstitution & Storage

Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

Precautions

TPMT Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TPMT Antibody - Protein Information**Name** TPMT**Function**

Catalyzes the S-methylation of thiopurine drugs such as 6- mercaptopurine (also called mercaptopurine, 6-MP or its brand name Purinethol) and 6-thioguanine (also called tioguanine or 6-TG) using S- adenosyl-L-methionine as the methyl donor (PubMed:657528, PubMed:18484748). TPMT activity modulates the cytotoxic effects of thiopurine prodrugs. A natural substrate for this enzyme has yet to be identified.

Cellular Location

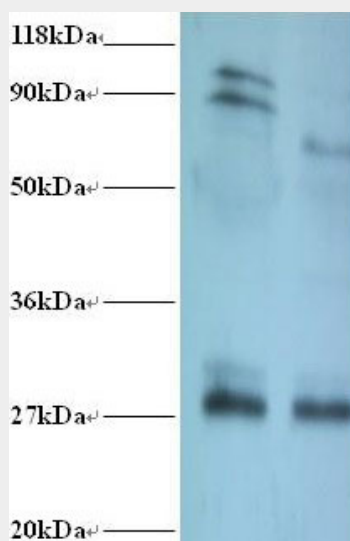
Cytoplasm.

TPMT Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TPMT Antibody - Images



Western blot of Thiopurine S-methyltransferase antibody at 2 ug/ml.



Anti-TPMT antibody IHC staining of human thyroid.

TPMT Antibody - Background

Catalyzes the S-methylation of thiopurine drugs such as 6-mercaptopurine.

TPMT Antibody - References

- Honchel R., et al. Mol. Pharmacol. 43:878-887(1993).
Lee D., et al. Drug Metab. Dispos. 23:398-405(1995).
Szumlanski C., et al. DNA Cell Biol. 15:17-30(1996).
Krynetski E.Y., et al. Pharm. Res. 14:1672-1678(1997).
Otterness D., et al. Clin. Pharmacol. Ther. 62:60-73(1997).

