

Rabbit anti-Human, Mouse TPMT Polyclonal Antibody | anti-TPMT antibody

TPMT Polyclonal Antibody

CATALOG # AAA37203	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
------------------------------	-----------------------	-----------------------------------	---

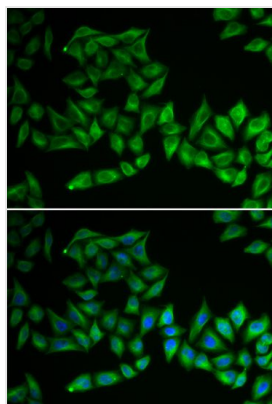
PRODUCT SYNONYMS

TPMT; Polyclonal Antibody; TPMT Polyclonal Antibody; Thiopurine methyltransferase; thiopurine S methyltransferase; anti-TPMT antibody

PRODUCT SPECIFICATIONS

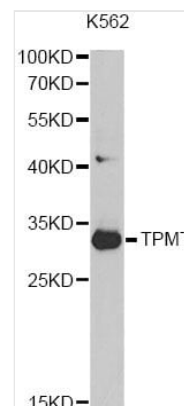
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	245
Applicable Applications for anti-TPMT antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human TPMT
Calculated Molecular Weight	28kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using TPMT antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-TPMT antibody	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]
Product Categories/Family for anti-TPMT antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	1730006
NCBI GeneID	7172
UniProt Accession #	P51580; O14806; O15423; O15424; O15425; O15426; O15515; O15548; O43213; Q5VUK6; Q9UBE6; Q9UBT8
Molecular Weight	245
NCBI Official Full Name	Thiopurine S-methyltransferase
NCBI Official Synonym Full Names	thiopurine S-methyltransferase
NCBI Official Symbol	TPMT
NCBI Protein Information	thiopurine S-methyltransferase; S-adenosyl-L-methionine:thiopurine S-methyltransferase
UniProt Protein Name	Thiopurine S-methyltransferase
UniProt Gene Name	TPMT
UniProt Entry Name	TPMT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.