

## Anti-TPMT Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

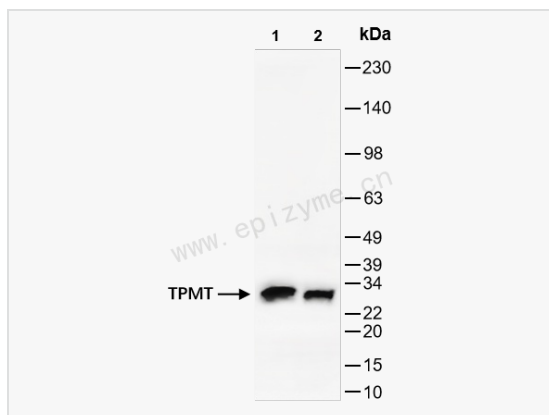
Catalog # R015703

### Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	91P19N26
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human TPMT
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-TPMT Rabbit mAb [91P19N26] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	HGNC:12014; S adenosyl L methionine thiopurine S methyltransferase; Thiopurine methyltransferase; Thiopurine S methyltransferase; Thiopurine S-methyltransferase; TPMT; TPMT_HUMAN.
Calculated MW	Calculated MW: 28 kDa; Observed MW: 30 kDa
Uniprot ID	P51580
Gene ID	7172
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. [provided by RefSeq, Aug 2014]
Cellular Location	Cytoplasm.



Western Blot - Anti-TPMT Rabbit mAb [91P19N26]

All lanes: R015703 at 1:1,000 dilution

Lane 1: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 2: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

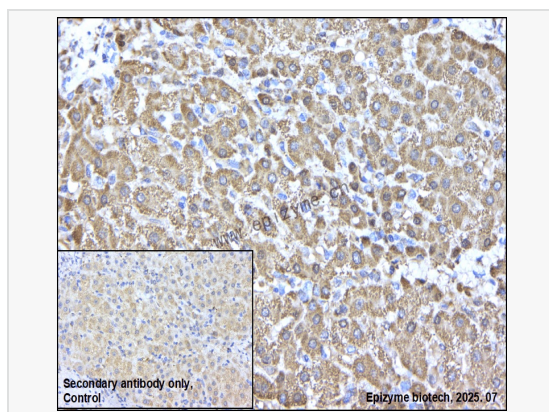
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 28 kDa

Observed band size: 30 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-TPMT Rabbit mAb [91P19N26]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015703 at 1:200 dilution

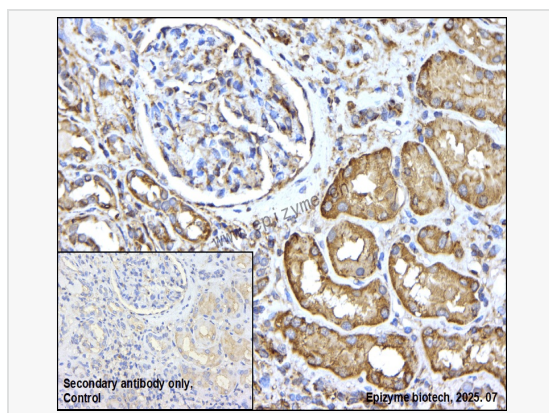
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-TPMT Rabbit mAb [91P19N26]

Sample: Paraformaldehyde-fixed, paraffin embedded human renal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015703 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.