

Rabbit anti-Human Thiopurine S-methyltransferase Polyclonal Antibody | anti-TPMT antibody

Rabbit anti-human Thiopurine S-methyltransferase polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229781	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

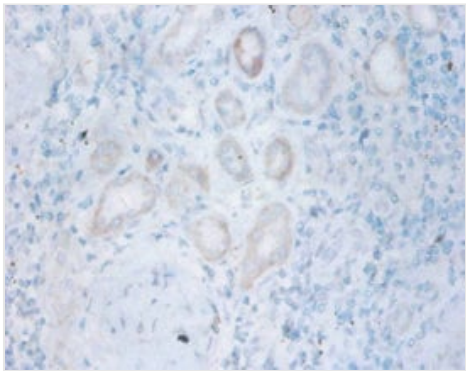
PRODUCT SYNONYMS

Thiopurine S-methyltransferase; Polyclonal Antibody; Rabbit anti-human Thiopurine S-methyltransferase polyclonal Antibody; Thiopurine S-methyltransferase protein; Thiopurine methyltransferase; anti-TPMT antibody

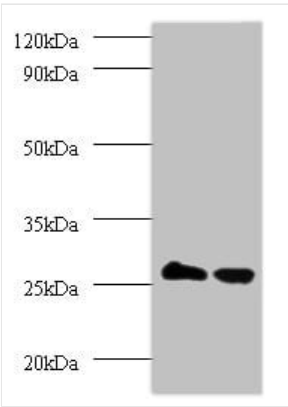
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	245
Applicable Applications for anti-TPMT antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Thiopurine S-methyltransferase protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-47507 / sc-47506 / sc-47507 / sc-135249
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human kidney using AAA229781 at dilution of 1:100



WB (Western Blot)
Western blotAll lanes: Thiopurine S-methyltransferase antibody at 2ug/mlLane 1: EC109 whole cell lysateLane 2: 293T whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/15000 dilutionPredicted band size: 27kDaObserved band size: 27kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TPMT antibody	TPMT is an 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. 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.
Product Categories/Family for anti-TPMT antibody	Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507653
NCBI GeneID	7172
NCBI Accession #	NP_000358.1
NCBI GenBank Nucleotide #	NM_000367.3
UniProt Accession #	P51580; O14806; O15423; O15424; O15425; O15426; O15515; O15548; O43213; Q5VUK6; Q9UBE6; Q9UBT8
Molecular Weight	28,180 Da
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/thiopurine-s-methyltransferase-antibody-immunohistochemistry-western-blot-elisa/229781>