



Anti-TPMT (full length) polyclonal antibody (DPAB-DC3100)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	TPMT (AAH05339, 1 a.a. ~ 245 a.a) full-length recombinant protein with GST tag. The sequence is MDGTRTSLDIEEYSDTEVQKNQVLTLEEWQDKWVNGKTAFHQEKGHQQLKKHLDTFLKGK SGLRVFFPLCGKAVEMKWFADRGHSVVGVEISELGIQEFFFTEQNLSSYEEPITEIPGTV FKSSSGNISLYCCSIFDLPRTNIGKFDLMIWDRGALVAINPGDRKCYADTMFSLLGKKFQY LLCVLSYDPTKHPGPPFYVPHAEIERLFGKICNIRRLEKVDafeerHKSWGIDCLFEKLY LLTEK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TPMT thiopurine S-methyltransferase [Homo sapiens (human)]
Official Symbol	TPMT
Synonyms	TPMT; thiopurine S-methyltransferase; S-adenosyl-L-methionine:thiopurine S-methyltransferase;
Entrez Gene ID	7172
Protein Refseq	NP_000358
UniProt ID	A0A024QZW0
Chromosome Location	6p22.3
Pathway	Biological oxidations; Drug metabolism - other enzymes; Methylation; metapathway biotransformation
Function	thiopurine S-methyltransferase activity;