

TPMT rabbit monoclonal antibody

Catalog # H00007172-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human TPMT peptide using ARM Technology.
Immunogen	A synthetic peptide of human TPMT is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human TPMT peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — TPMT

Entrez GeneID	7172
GeneBank Accession#	TPMT
Gene Name	TPMT
Gene Alias	-
Gene Description	thiopurine S-methyltransferase
Omim ID	187680 610460
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000016076[S-adenosyl-L-methionine:thiopurine S-methyltransferase]thiopurine methyltransferase

Pathway

- [Drug metabolism - other enzymes](#)

Disease

- [Acute Disease](#)
- [Agranulocytosis](#)
- [Alopecia](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Bone Marrow Diseases](#)

- [Brain Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Communicable Diseases](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [DNA Damage](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Gastrointestinal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hematologic Neoplasms](#)
- [Hepatitis](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Leukopenia](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Lupus Erythematosus](#)
- [Lymphoproliferative Disorders](#)
- [Metabolism](#)
- [Nausea](#)

- [Neoplasm](#)
- [Neoplasms](#)
- [Nervous System Diseases](#)
- [Neutropenia](#)
- [Pancreatitis](#)
- [Precursor B-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Precursor T-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Reaction Time](#)
- [Recurrence](#)
- [Rheumatic Diseases](#)
- [Skin Diseases](#)
- [Thrombocytopenia](#)
- [Uremia](#)
- [Vomiting](#)