

DNAxPAb

Hard-to-Find
Antibody

TPMT DNAxPAb

Catalog # H00007172-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human TPMT DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MDGTRTSLDIEEYSDTEVQKNQVLTLEEWQDKWVNGKTAFHQEQGHQLLKKHLDFTLKGKSGLR VFFPLCGKAVEMKWFADRGHSVVGVEISELGIQEFFTEQNLSYSEEPITEIPGTKVFKSSSGNISLY CCSIFDLPRTNIGKFDMMWDRGALVAINPGDRKCYADTMFSLLGKKFQYLLCVLSYDPTKHPGPPF YVPHAEIERLFGKICNIRCLEKVDAFEERHKSWGIDCLFEKLYLLEK
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — TPMT

Entrez GeneID	7172
GeneBank Accession#	NM_000367.2
Protein Accession#	NP_000358.1
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](#)