RecomAb™

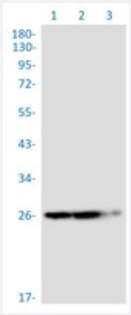
TPMT recombinant monoclonal antibody, clone R02-0G7

Catalog # RAB04427 Size 100 uL

Applications

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human cholangiocarcinoma with TPMT recombinant monoclonal antibody, clone R02-0G7 (Cat # RAB04427).



Western Blot

Western blot analysis of Lane 1: Hela whole cell lysate, Lane 2: A549 whole cell lysate and Lane 3: HL-60 whole cell lysate with TPMT recombinant monoclonal antibody, clone R02-0G7 (Cat # RAB04427).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human TPMT.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human TPMT.
Theoretical MW (kDa)	Calculated MW: 28 kD
Reactivity	Human
Form	Liquid

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Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of human cholangiocarcinoma with TPMT recombinant monoclonal antibody, clone R02-0G7 (Cat # RAB04427).

- Immunoprecipitation

- Western Blot

  Western blot analysis of Lane 1: Hela whole cell lysate, Lane 2: A549 whole cell lysate and Lane 3: HL-60 whole cell lysate with TPMT recombinant monoclonal antibody, clone R02-0G7 (Cat # RAB04427).

Gene Info — TPMT

Entrez GeneID	7172
Protein Accession#	P51580
Gene Name	TPMT
Gene Alias	-
Gene Description	thiopurine S-methyltransferase
Omim ID	187680 610460

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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 en zymatic activity are correlated with variations in sensitivity and toxicity to such drugs within individu als. A pseudogene for this locus is located on chromosome 18q. [provided by RefSeq
Other Designations	OTTHUMP00000016076|S-adenosyl-L-methionine:thiopurine S-methyltransferase|thiopurine met hyltransferase

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

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- 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

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- Skin Diseases
- Thrombocytopenia
- Uremia
- Vomiting

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