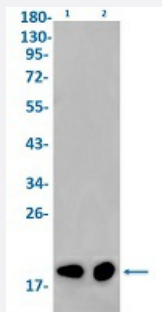


RecomAb™

NUDT1 recombinant monoclonal antibody, clone R06-2K9

Catalog # RAB02091 Size 100 uL

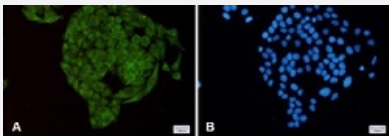
Applications



Western Blot

Western Blot analysis of Lane 1: K562 and Lane 2: HeLa lysates with NUDT1 recombinant monoclonal antibody, clone R06-2K9 (Cat # RAB02091).

Immunocytochemistry



Immunocytochemical staining of HeLa with NUDT1 recombinant monoclonal antibody, clone R06-2K9 (Cat # RAB02091). (A) NUDT1 (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NUDT1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human NUDT1.
Theoretical MW (kDa)	Calculated MW: 18 kD
Reactivity	Human
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence(1:50-1:200) 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 -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: K562 and Lane 2: Hela lysates with NUDT1 recombinant monoclonal antibody, clone R06-2K9 (Cat # RAB02091).

- Immunocytochemistry

Immunocytochemical staining of Hela with NUDT1 recombinant monoclonal antibody, clone R06-2K9 (Cat # RAB02091). (A) NUDT1 (green) and (B) DAPI (blue).

- Immunofluorescence

- Immunoprecipitation

Gene Info — NUDT1

Entrez GeneID	4521
Protein Accession#	P36639
Gene Name	NUDT1
Gene Alias	MTH1
Gene Description	nudix (nucleoside diphosphate linked moiety X)-type motif 1

Omim ID [600312](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Misincorporation of oxidized nucleoside triphosphates into DNA/RNA during replication and transcription can cause mutations that may result in carcinogenesis or neurodegeneration. The protein encoded by this gene is an enzyme that hydrolyzes oxidized purine nucleoside triphosphates, such as 8-oxo-dGTP, 8-oxo-dATP, 2-hydroxy-dATP, and 2-hydroxy rATP, to monophosphates, thereby preventing misincorporation. The encoded protein is localized mainly in the cytoplasm, with some in the mitochondria, suggesting that it is involved in the sanitization of nucleotide pools both for nuclear and mitochondrial genomes. Several alternatively spliced transcript variants, some of which encode distinct isoforms, have been identified. Additional variants have been observed, but their full-length natures have not been determined. A single-nucleotide polymorphism that results in the production of an additional, longer isoform (p26) has been described. [provided by RefSeq]

Other Designations

7,8-dihydro-8-oxoguanine triphosphatase|8-oxo-7,8-dihydrodeoxyguanosine triphosphatase|8-oxo-7,8-dihydroguanosine triphosphatase|8-oxo-dGTPase|OTTHUMP00000024690|OTTHUMP00000115537|OTTHUMP00000115538|OTTHUMP00000115539|OTTHUMP00000115540|mutT human homolo

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Breast cancer](#)
- [Carcinoma](#)
- [Chronic Disease](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)

- [Intestinal Polyps](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Oropharyngeal Neoplasms](#)
- [Parkinson disease](#)
- [Poisoning](#)
- [Stomach Neoplasms](#)
- [Werner syndrome](#)