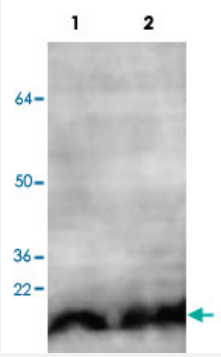
NUDT1 polyclonal antibody

Catalog # PAB18799 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa (Lane 1) and HEK293 (Lane 2) cell lysate with NUDT1 polyclonal antibody (Cat # PAB18799) at 1 : 500 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NUDT1.
Immunogen	A synthetic peptide corresponding to 15 amino acids at C-terminus of human NUDT1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:40000-1:80000) Western Blot (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.02% sodium azide
Storage Instruction	Store at 4°C for three months. 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

- Western Blot (Cell lysate)

  Western blot analysis of HeLa (Lane 1) and HEK293 (Lane 2) cell lysate with NUDT1 polyclonal antibody (Cat # PAB18799) at 1 : 500 dilution.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NUDT1

Entrez GeneID	4521
Protein Accession#	NM_002452
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 trans cription 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, suc h as 8-oxo-dGTP, 8-oxo-dATP, 2-hydroxy-dATP, and 2-hydroxy rATP, to monophosphates, thereb y preventing misincorporation. The encoded protein is localized mainly in the cytoplasm, with som e in the mitochondria, suggesting that it is involved in the sanitization of nucleotide pools both for n uclear and mitochondrial genomes. Several alternatively spliced transcript variants, some of whic h encode distinct isoforms, have been identified. Additional variants have been observed, but thei r full-length natures have not been determined. A single-nucleotide polymorphism that results in th e 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-ox o-7,8-dihydroguanosine triphosphatase|8-oxo-dGTPase|OTTHUMP00000024690|OTTHUMP000 00115537|OTTHUMP00000115538|OTTHUMP00000115539|OTTHUMP00000115540|mutT hu man 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