

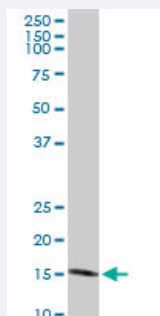
MaxPab®

NUDT1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004521-D01P

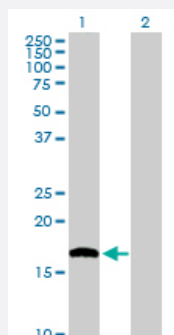
Size 100 ug

Applications



Western Blot (Tissue lysate)

NUDT1 MaxPab rabbit polyclonal antibody. Western Blot analysis of NUDT1 expression in human kidney.



Western Blot (Transfected lysate)

Western Blot analysis of NUDT1 expression in transfected 293T cell line ([H00004521-T01](#)) by NUDT1 MaxPab polyclonal antibody.

Lane 1: NUDT1 transfected lysate(18.00 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human NUDT1 protein.
Immunogen	NUDT1 (NP_002443.3, 1 a.a. ~ 156 a.a) full-length human protein.
Sequence	MGASRLYTLVLVLQPQRVLLGMKKRGFGAGRWNFGGKVQEGETIEDGARRELQEESGLTVDA LHKVGQMFVFEVGEPELMDVHVFC TDSIQGTPVESDEMPCWFQLDQIPFKDMWPDDSYWFPLL LQKKKFHGYFKFQGQDTILDYTLREVDTV
Host	Rabbit
Reactivity	Human

Interspecies Antigen Sequence	Mouse (83); Rat (85)
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 (Tissue lysate)

NUDT1 MaxPab rabbit polyclonal antibody. Western Blot analysis of NUDT1 expression in human kidney.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of NUDT1 expression in transfected 293T cell line ([H00004521-T01](#)) by NUDT1 MaxPab polyclonal antibody.

Lane 1: NUDT1 transfected lysate(18.00 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — NUDT1

Entrez GeneID	4521
GeneBank Accession#	NM_002452
Protein Accession#	NP_002443.3
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](#)