

Datasheet for ABIN6144926
anti-NUDT1 antibody (AA 1-179)

3 Images

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Overview

Quantity:	100 µL
Target:	NUDT1
Binding Specificity:	AA 1-179
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUDT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-179 of human MTH1 (NP_945192.1).
Sequence:	MSGISPQQMG EPEGSWSGKN PGTMGASRLY TLVLVLQPQR VLLGMKKRGF GAGRWNFGGG KVQEGETIED GARRELQEEES GLTVDALHKV GQIVFEFVGE PELMDVHVFC TDSIQGTPVE SDEMRPCWFQ LDQIPFKDMW PDDSYWFPLL LQKKKFHGYF KFQGQDTILD YTLREVDTV
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

Target:	NUDT1
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Target Details

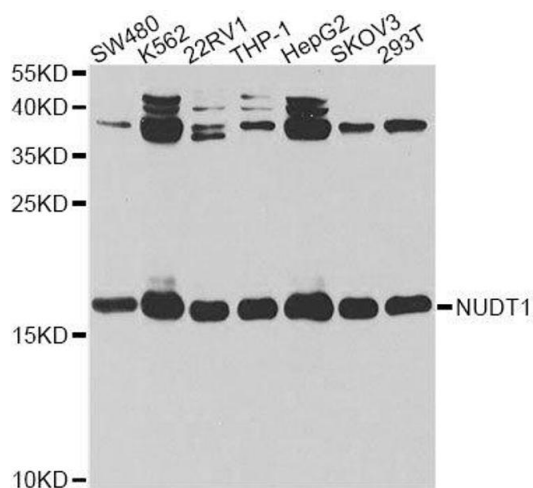
Alternative Name:	NUDT1 (NUDT1 Products)
Background:	Misincorporation of oxidized nucleoside triphosphates into DNA/RNA during replication and transcription can cause mutations that may result in carcinogenesis or neurodegeneration. The protein encoded by this gene is an enzyme that hydrolyzes oxidized 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.,NUDT1,MTH1,Epigenetics & Nuclear Signaling,DNA Damage & Repair,NUDT1
Molecular Weight:	17 kDa/19 kDa/20 kDa/22 kDa
Gene ID:	4521
UniProt:	P36639

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:20 - 1:50
Restrictions:	For Research Use only

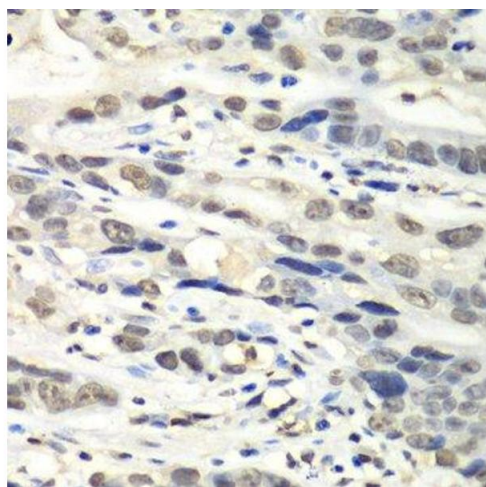
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



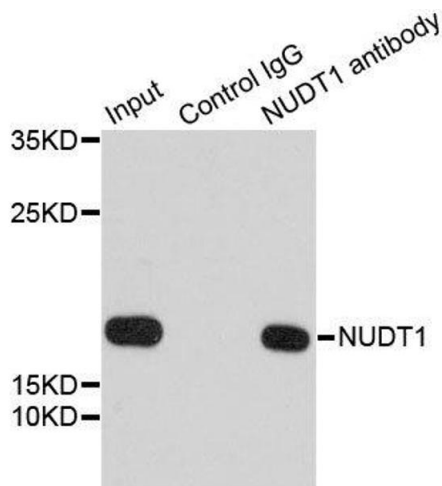
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using NUDT1 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human gastric cancer using NUDT1 antibody.



Immunoprecipitation

Image 3. Immunoprecipitation analysis of 200ug extracts of 293T cells using 1ug NUDT1 antibody.