

Datasheet for ABIN6144927
anti-NUDT1 antibody (AA 1-179)



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1 Image

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), Immunohistochemistry (IHC)

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 GARRELQEES GLTVDALHKV GQIVFEFVGE PELMDVHVFC TDSIQGTPVE SDEMPCWFQ 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,IHC,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

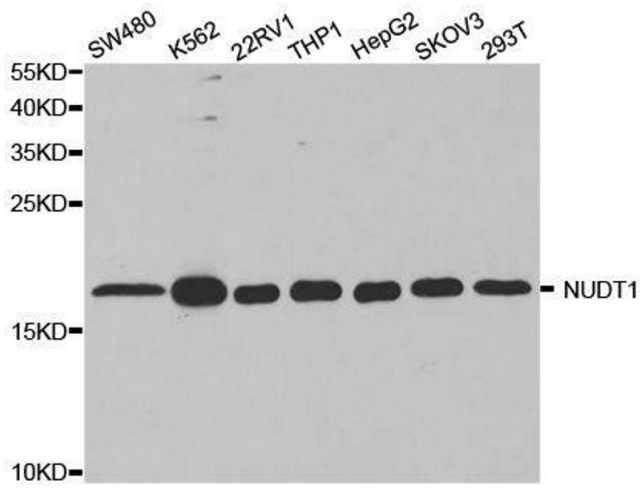
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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.