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Datasheet for ABIN7101592

## anti-NUDT1 antibody

### 1 Image

#### Overview

Quantity:	20 µL
Target:	NUDT1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This NUDT1 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	A synthesized peptide derived from human MTH1
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	NUDT1
Alternative Name:	NUDT1 ( <a href="#">NUDT1 Products</a> )
Background:	Misincorporation of oxidized nucleoside triphosphates into DNA/RNA during replication and transcription can cause mutations that may result in carcinogenesis or neurodegeneration. The

## Target Details

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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, Jul 2008],MTH1,DNA Damage & Repair,Epigenetics & Nuclear Signaling,NUDT1

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Molecular Weight: 18 kDa

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Gene ID: 4521

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UniProt: [P36639](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000

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Restrictions: For Research Use only

## Handling

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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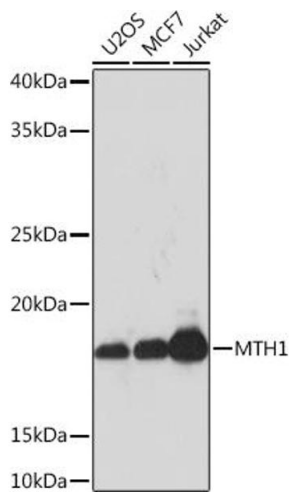
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using MTH1 Rabbit mAb (ABIN1680628, ABIN7101592, ABIN7101593 and ABIN7101594) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.