.-online.com antibodies

# Datasheet for ABIN6263763 anti-NUDT1 antibody (Internal Region)

2 Images



## Overview

Quantity:	100 µL	
Target:	NUDT1	
Binding Specificity:	Internal Region	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This NUDT1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)	

## Product Details

Immunogen:	A synthesized peptide derived from human NUDT1, corresponding to a region within the internal amino acids.	
Isotype:	lgG	
Specificity:	NUDT1 Antibody detects endogenous levels of total NUDT1.	
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Dog,Xenopus	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).	

## Target Details

Target:	NUDT1		
	Order at www.antibodies-online.com   www.antikoerper-online.de   www.anticorps-enligne.fr   www.antibodies-online.cn		

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Target Details		
Alternative Name:	NUDT1 (NUDT1 Products)	
Background:	Description: Antimutagenic (PubMed:8226881, PubMed:7713500, PubMed:10608900). Plays a	
	redundant role in sanitizing oxidized nucleotide pools, such as 8-oxo-dGTP pools	
	(PubMed:28679043). Acts as a sanitizing enzyme for oxidized nucleotide pools, thus	
	suppressing cell dysfunction and death induced by oxidative stress (PubMed:12857738,	
	PubMed:24695224, PubMed:24695225). Hydrolyzes 8-oxo-dGTP, 8-oxo-dATP and 2-OH-dATP,	
	thus preventing misincorporation of oxidized purine nucleoside triphosphates into DNA and	
	subsequently preventing A:T to C:G and G:C to T:A transversions (PubMed:8226881,	
	PubMed:10373420, PubMed:10608900, PubMed:11756418, PubMed:12857738,	
	PubMed:16607562, PubMed:24695224, PubMed:24695225, PubMed:26999531,	
	PubMed:28035004). Able to hydrolyze also the corresponding ribonucleotides, 2-OH-ATP, 8-	
	oxo-GTP and 8-oxo-ATP (PubMed:10373420, PubMed:11139615). Does not play a role in U8	
	snoRNA decapping activity. Binds U8 snoRNA (By similarity).	
	Gene: NUDT1	
Molecular Weight:	22kDa	
Gene ID:	4521	
UniProt:	P36639	
Application Details		
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format <sup>.</sup>	Liquid	

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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

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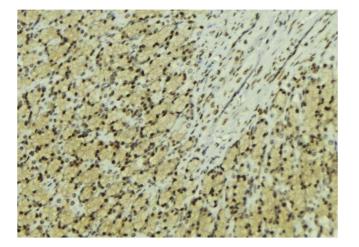
Storage Comment:

Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date:

12 months

#### Images



#### Immunohistochemistry

**Image 1.** ABIN6277601 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22<sub>j</sub>ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary

# kDa 1 2 250-150-100-75-50-37-25-20-15-

### Western Blotting

**Image 2.** Western blot analysis of Hepg2 whole cell lysates, using NUDT1 Antibody. The lane on the left is treated with the antigen-specific peptide.

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