

Datasheet for ABIN7162069  
**anti-NUDT15 antibody (AA 1-164)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	NUDT15
Binding Specificity:	AA 1-164
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUDT15 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Nucleotide triphosphate diphosphatase NUDT15 protein (1-164AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	NUDT15
Alternative Name:	NUDT15 ( <a href="#">NUDT15 Products</a> )
Background:	Background: May catalyze the hydrolysis of nucleoside triphosphates including dGTP, dTTP, dCTP, their oxidized forms like 8-oxo-dGTP and the prodrug thiopurine derivatives 6-thio-dGTP

## Target Details

and 6-thio-GTP (PubMed:26238318). Could also catalyze the hydrolysis of some nucleoside diphosphate derivatives (PubMed:22556419, PubMed:26238318). Hydrolyzes oxidized nucleosides triphosphates like 8-oxo-dGTP in vitro, but the specificity and efficiency towards these substrates are low. Therefore, the potential in vivo sanitizing role of this enzyme, that would consist in removing oxidatively damaged forms of nucleosides to prevent their incorporation into DNA, is unclear (PubMed:26238318, PubMed:22556419). Through the hydrolysis of thioguanosine triphosphates may participate in the catabolism of thiopurine drugs (PubMed:26238318, PubMed:25108385). May also have a role in DNA synthesis and cell cycle progression by stabilizing PCNA (PubMed:19419956).

Aliases: 8-dihydro-8-oxoguanine triphosphatase NUDT15 antibody, 8-oxo-dGTPase NUDT15 antibody, A730068G11Rik antibody, EC 3.1.6.- antibody, FLJ10956 antibody, MGC104352 antibody, MTH2 antibody, MutT homolog 2 antibody, Nucleoside diphosphate-linked moiety X motif 15 antibody, NUD15\_HUMAN antibody, Nudix (nucleoside diphosphate linked moiety X)-type motif antibody, Nudix motif 15 antibody, NUDT15 antibody, OTTHUMP00000018389 antibody, Probable 7 antibody, Probable 7,8-dihydro-8-oxoguanine triphosphatase NUDT15 antibody, RP11-90M2.1 antibody

UniProt: [Q9NV35](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

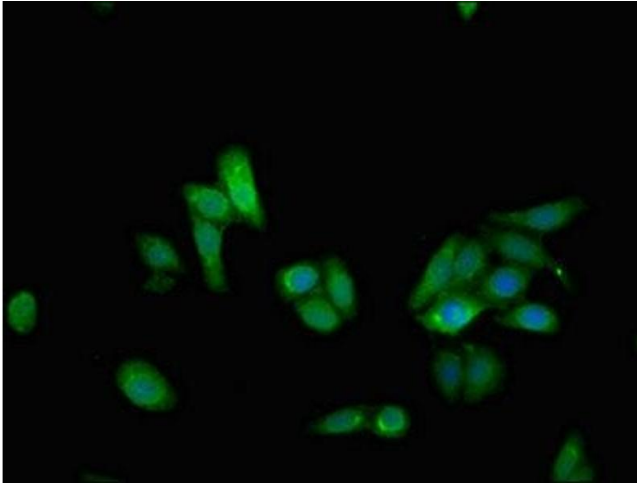
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

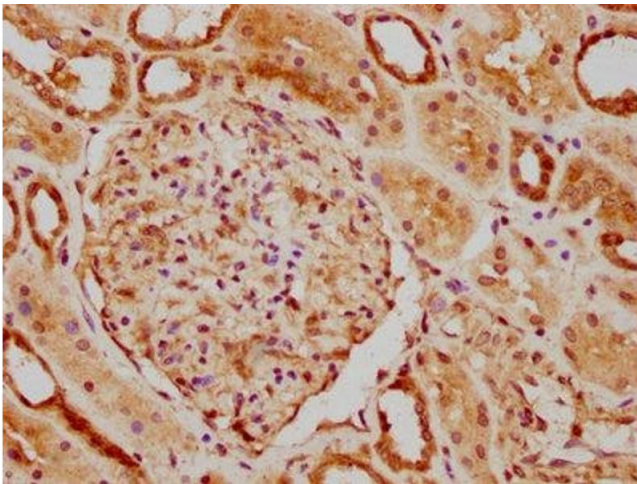
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunofluorescence

**Image 1.** Immunofluorescent analysis of HepG2 cells using ABIN7162069 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7162069 diluted at 1:300 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.