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Datasheet for ABIN7162072

anti-NUDT15 antibody (AA 1-164) (HRP)

Overview

Quantity:	100 µg
Target:	NUDT15
Binding Specificity:	AA 1-164
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUDT15 antibody is conjugated to HRP
Application:	ELISA

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 (NUDT15 Products)
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: Optimal working dilution should be determined by the investigator.

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.