

Datasheet for ABIN953779
anti-NUDT15 antibody (C-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	NUDT15
Binding Specificity:	AA 89-118, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUDT15 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 89-118aa) of human NUDT15.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes NUDT15.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse
Purification:	Purified through a Protein A column followed by peptide affinity purification

Target Details

Target:	NUDT15
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Target Details

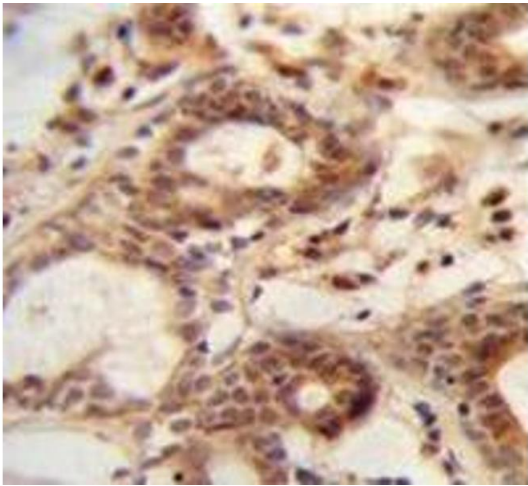
Alternative Name:	NUDT15 (NUDT15 Products)
Background:	Mediates the hydrolysis of some nucleoside diphosphate derivatives. Can degrade 8-oxo-dGTP in vitro, suggesting that it may remove an oxidatively damaged form of guanine (7,8-dihydro-8-oxoguanine) from DNA and the nucleotide pool, thereby preventing misincorporation of 8-oxo-dGTP into DNA thus preventing A:T to C:G transversions. Its substrate specificity in vivo however remains unclear (By similarity). May have a role in DNA synthesis and cell cycle progression through the interaction with PCNA.Synonyms: 7, 8-dihydro-8-oxoguanine-triphosphatase NUDT15, MTH2, MutT homolog 2, Nucleoside diphosphate-linked moiety X motif 15, Nudix motif 15, Probable 8-oxo-dGTP diphosphatase NUDT15
Gene ID:	55270
NCBI Accession:	NP_060753

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in human breast tissue (Formalin-fixed, Paraffin-embedded) using NUDT15 Antibody (C-term), followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NUDT15 antibody for IHC. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis in HepG2 cell line lysates (35ug/lane) using NUDT15 Antibody (C-term). This demonstrates the NUDT15 antibody detected the NUDT15 protein (arrow).

Western Blotting

Image 3. Western blot analysis in mouse bladder tissue lysates (35ug/lane) using NUDT15 Antibody (C-term). This demonstrates the NUDT15 antibody detected the NUDT15 protein (arrow).