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Datasheet for ABIN2854428

## anti-UNG antibody

### 1 Publication

#### Overview

Quantity:	100 µL
Target:	UNG
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UNG antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Whole Mount) (IHC (wm))

#### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human UNG. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Zebrafish (Danio rerio)
Characteristics:	Rabbit Polyclonal antibody to UNG (uracil-DNA glycosylase) UNG antibody
Purification:	Purified by antigen-affinity chromatography.

#### Target Details

Target:	UNG
Alternative Name:	uracil DNA glycosylase ( <a href="#">UNG Products</a> )

## Target Details

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Target Type:	Viral Protein
Background:	<p>This gene encodes one of several uracil-DNA glycosylases. One important function of uracil-DNA glycosylases is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and initiating the base-excision repair (BER) pathway. Uracil bases occur from cytosine deamination or misincorporation of dUMP residues. Alternative promoter usage and splicing of this gene leads to two different isoforms: the mitochondrial UNG1 and the nuclear UNG2.</p> <p>Cellular Localization: Isoform 1: Mitochondrion , Isoform 2: Nucleus</p>
Molecular Weight:	35 kDa
Gene ID:	7374
UniProt:	<a href="#">P13051</a>
Pathways:	<a href="#">DNA Damage Repair</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Publications

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Product cited in: Qi, Liu, Zhang, Guo: "Platelets induce increased estrogen production through NF- $\kappa$ B and TGF- $\beta$ 1 signaling pathways in endometriotic stromal cells." in: **Scientific reports**, Vol. 10, Issue 1, pp. 1281, (2020) ([PubMed](#)).