

Datasheet for ABIN959421  
**anti-UNG antibody (AA 281-298)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	50 µg
Target:	UNG
Binding Specificity:	AA 281-298
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	<p>Synthetic peptide sequence CRHFSKTNELLQKSGKKP corresponding to amino acids 281-298 of human UNG1 (NP003353.1) and amino acids 290-307 of human UNG2 (NP 550433.1). The peptide sequence used for immunogen is highly conserved between mammalian and invertebrates. Percent identity by BLAST analysis: Human, Gorilla, Monkey (100%), Gibbon, Marmoset, Mouse, Dog, Bat, Bovine, Horse, Rabbit, Turkey, Chicken (94%), Rat, Hamster, Elephant, Panda, Pig, Platypus (89%), Zebrafish (83%).</p> <p>Type of Immunogen: Synthetic peptide</p>
Isotype:	IgG
Specificity:	The synthetic peptide sequence used for immunogen is 100 % conserved between UNG1 and UNG2. Thus recognizes both UNG1 and UNG2. As UNG1 and UNG2 are not resolved as two

## Product Details

species in gel electrophoresis (Huag et al., 1998), they are indistinguishable by western blot. The observed molecular weight of UNG (UNG1 and UNG2) on western blots may vary: 26 kD, 27.5 kD, 31 kD, and 38 kD forms have been described (Bharati et al., 1998, Slupphaug et al., 1993). Please see Kruman et al. (Fig. 1D, 2004) for an example of western blot in rat. This specificity of this has been validated by antisense UNG oligonucleotide (Kruman et al. 2004).

**Predicted Reactivity:** Percent identity by BLAST analysis: Human, Gorilla, Monkey (100%) Gibbon, Marmoset, Mouse, Dog, Bat, Bovine, Horse, Rabbit, Turkey, Chicken (94%) Rat, Hamster, Elephant, Panda, Pig, Platypus (89%) Zebrafish (83%).

**Purification:** Protein G purified

## Target Details

**Target:** UNG

**Alternative Name:** UNG / Uracil DNA Glycosylase ([UNG Products](#))

**Target Type:** Viral Protein

**Background:** Name/Gene ID: UNG

Synonyms: UNG, DGU, HIGM4, HIGM5, Uracil-DNA glycosylase, UNG1, UNG2, UDG, UNG15

**Gene ID:** 7374

**UniProt:** [P13051](#)

**Pathways:** [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#)

## Application Details

**Application Notes:** Approved: IHC, IHC-P (10 µg/mL), WB (2 µg/mL)

**Comment:** Target Species of Antibody: Human

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

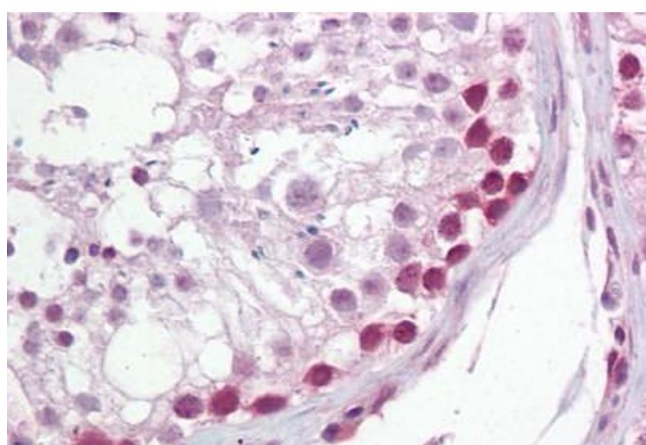
**Concentration:** Lot specific

**Buffer:** PBS containing 0.05 % BSA and 0.05 % sodium azide

## Handling

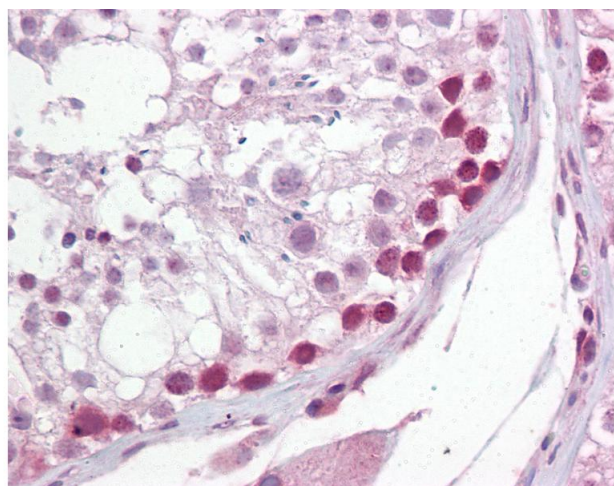
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

## Images



### Immunohistochemistry

**Image 1.** Anti-UNG antibody IHC staining of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN959421 concentration 10 ug/ml.



### Immunohistochemistry

**Image 2.** Anti-UNG antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.