

ARG59528 anti-UNG antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes UNG
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	UNG
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-313 of Human UNG (NP_550433.1).
Conjugation	Un-conjugated
Alternate Names	Uracil-DNA glycosylase; HIGM4; HIGM5; UNG1; UNG2; UNG15; UDG; DGU; EC 3.2.2.27

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:100
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	35 kDa, 40 kDa	

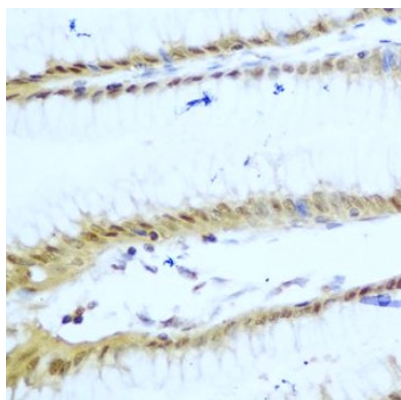
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

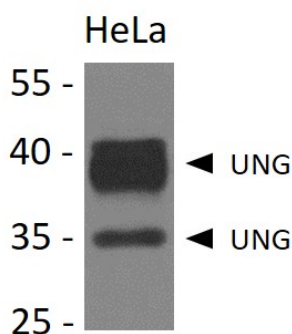
Gene Symbol	UNG
Gene Full Name	uracil DNA glycosylase
Background	This gene encodes one of several uracil-DNA glycosylases. One important function of uracil-DNA glycosylases is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and initiating the base-excision 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. The UNG2 term was used as a previous symbol for the CCNO gene (GeneID 10309), which has been confused with this gene, in the literature and some databases. [provided by RefSeq, Nov 2010]
Function	Excises uracil residues from the DNA which can arise as a result of misincorporation of dUMP residues by DNA polymerase or due to deamination of cytosine. [UniProt]
Calculated Mw	Isoform 1: 34 kDa Isoform 2: 35 kDa
PTM	Isoform 1 is processed by cleavage of a transit peptide. [UniProt]
Cellular Localization	Isoform 1: Mitochondrion. Isoform 2: Nucleus. [UniProt]

Images



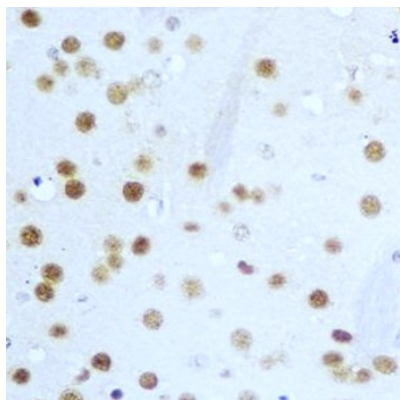
ARG59528 anti-UNG antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach stained with ARG59528 anti-UNG antibody at 1:100 dilution.



ARG59528 anti-UNG antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG59528 anti-UNG antibody at 1:1000 dilution.



ARG59528 anti-UNG antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain stained with ARG59528 anti-UNG antibody at 1:100 dilution.