

**ARG59553**  
**anti-UNG2 antibody**Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes UNG2
Tested Reactivity	Ms
Predict Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	UNG2
Species	Human
Immunogen	A 17 aa peptide within the first 50 aa. of Human UNG2.
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
	ICC/IF	20 µg/ml
	WB	1 - 2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	3T3 Cell Lysate	
Observed Size	33 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
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 or below. 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.

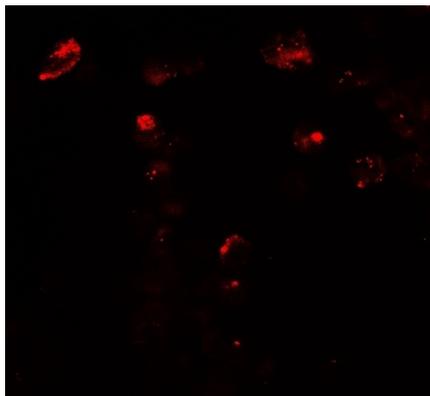
## Bioinformation

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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	35 kDa
PTM	Isoform 1 is processed by cleavage of a transit peptide. [UniProt]
Cellular Localization	Isoform 1: Mitochondrion. Isoform 2: Nucleus. [UniProt]

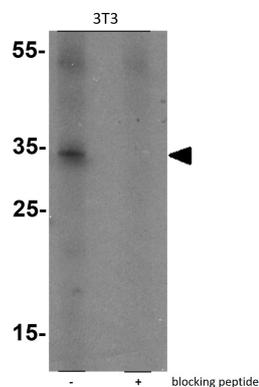
## Images

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ARG59553 anti-UNG2 antibody ICC/IF image

Immunofluorescence: 3T3 cells stained with ARG59553 anti-UNG2 antibody at 20 µg/ml dilution.



ARG59553 anti-UNG2 antibody WB image

Western blot: 3T3 cell lysate stained with ARG59553 anti-UNG2 antibody at 1 µg/ml in the absence and the presence of blocking peptide.