

Rabbit UNG1 Polyclonal Antibody | anti-UNG antibody

UNG1 Antibody

CATALOG # AAA40252	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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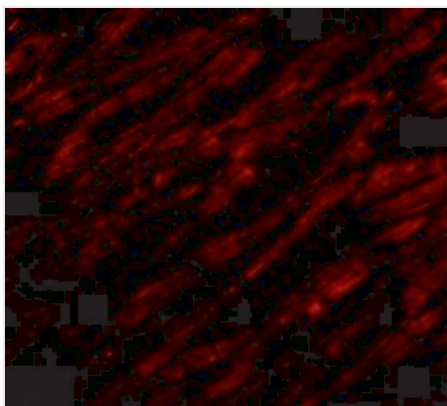
PRODUCT SYNONYMS

UNG1; Polyclonal Antibody; UNG1 Antibody; DGU; UDG; UNG2; HIGM4; HIGM5; UNG15; Uracil-DNA glycosylase; uracil-DNA glycosylase; anti-UNG antibody

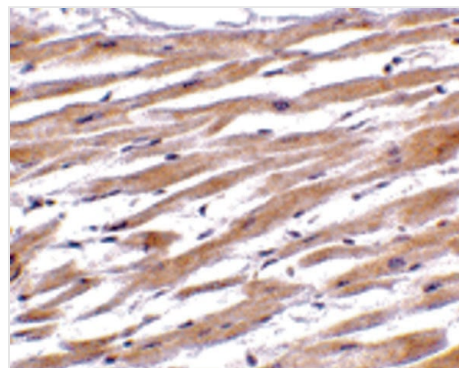
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	UNG1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	304
Applicable Applications for anti-UNG antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	UNG1 antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human UNG1.
Buffer	UNG1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	UNG1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

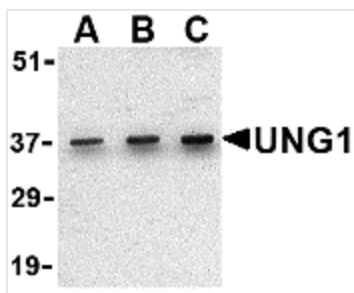
IMAGES


IF (Immunofluorescence)

Immunofluorescence of UNG1 in Human Heart cells with UNG1 antibody at 20 &#956;g/mL.


IHC (Immunohistochemistry)

Immunohistochemistry of UNG1 in human heart tissue with UNG1 antibody at 2 &#956;g/mL.



WB (Western Blot)

Western blot analysis of UNG1 in C2C12 cell lysate with UNG1 antibody at (A) 0.5, (B) 1 and (C) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-UNG antibody

UNG1 Antibody: The human uracil-DNA glycosylase (UNG) gene encodes both mitochondrial (UNG1) and nuclear (UNG2) forms through differentially regulated promoters and alternative splicing. While UNG2 is the major enzyme in the base excision repair pathway that removes uracil residues from nuclear DNA that arise through either misincorporation during replication or cytosine deamination, inhibition of UNG1 by uracil glycosylase inhibitor did not lead to increased levels of spontaneous or induced mitochondrial DNA mutations. However, decreased levels of UNG activity and increased oxidative damage to mitochondrial DNA were seen in older mice, suggesting that mitochondrial DNA repair mechanisms may be involved in various neurodegenerative disorders in an age-dependent manner. This UNG1 antibody will not cross-react with UNG2.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6224979
NCBI GeneID	7374
NCBI Accession #	NP_003353
NCBI GenBank Nucleotide #	NM_003362.3
UniProt Accession #	P13051; O00637; O00719; Q93028; A8K5M6; B2R8Y1
Molecular Weight	33,924 Da
NCBI Official Full Name	uracil-DNA glycosylase isoform UNG1
NCBI Official Synonym Full Names	uracil-DNA glycosylase
NCBI Official Symbol	UNG
NCBI Official Synonym Symbols	DGU; UDG; UNG1; UNG2; HIGM4; HIGM5; UNG15
NCBI Protein Information	uracil-DNA glycosylase; UDG; UNG; uracil-DNA glycosylase 1, uracil-DNA glycosylase 2
UniProt Protein Name	Uracil-DNA glycosylase
UniProt Gene Name	UNG
UniProt Entry Name	UNG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ung1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40252>