

Datasheet for ABIN6149934
anti-UNG antibody (AA 1-313)



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3 Images

Overview

Quantity:	100 µL
Target:	UNG
Binding Specificity:	AA 1-313
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UNG antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-313 of human UNG (NP_550433.1).
Sequence:	MIGQKTLYSF FSPSPARKRH APSPEPAVQG TGVAGVPEES GDAAAIPAKK APAGQEEP GT PPSSPLSAEQ LDRIQRNKA ALLRLAARNV PVGFGESWKK HLSGEFGKPY FIKLMGFVAE ERKHYTVYPP PHQVFTWTQM CDIKDVKVI LGQDPYHGPN QAHLGCFVSQ RVPVPPPSLE NIYKELSTDI EDFVHPGHGD LSGWAKQGVLL NAVLTVRA HQANSHKERG WEQFTDAVVS WLNQNSNGLV FLLWGSYAQK KGSAIDRKRH HVLQTAHPSP LSVYRGFFGC RHFSKTNELL QKSGKKPIDW KEL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

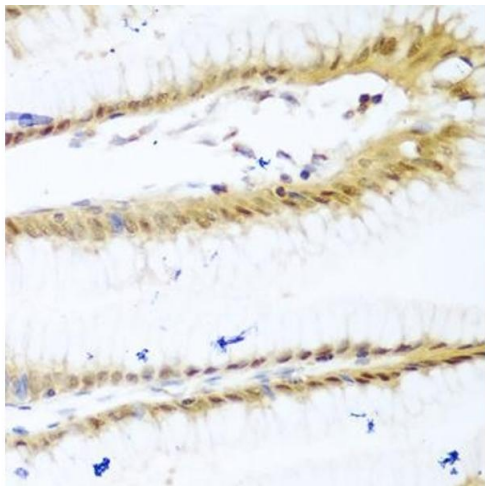
Target:	UNG
Alternative Name:	UNG (UNG Products)
Target Type:	Viral Protein
Background:	This gene encodes one of several uracil-DNA glycosylases. One important function of uracil-DNA glycosylases is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and 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.,UNG,DGU,HIGM4,HIGM5,UDG,UNG1,UNG15,UNG2,Epigenetics & Nuclear Signaling,DNA Damage & Repair,UNG
Molecular Weight:	33 kDa/34 kDa
Gene ID:	7374
UniProt:	P13051
Pathways:	DNA Damage Repair , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	WB,1:1000 - 1:2000,IHC,1:50 - 1:100
Restrictions:	For Research Use only

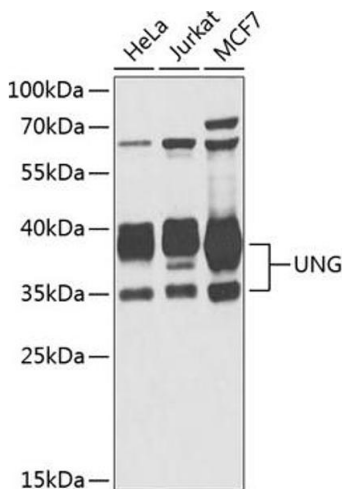
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



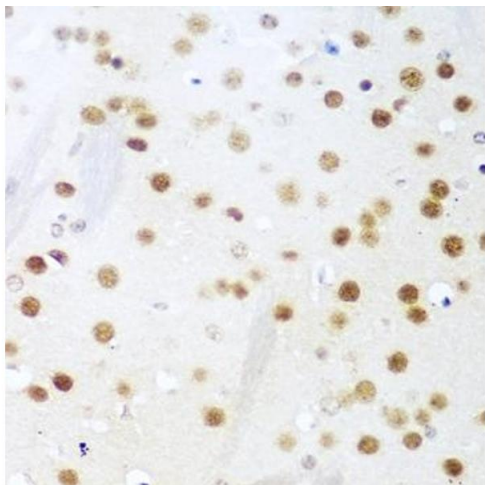
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human stomach using UNG antibody (ABIN6133476, ABIN6149934, ABIN6149936 and ABIN6216305) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using UNG antibody (ABIN6133476, ABIN6149934, ABIN6149936 and ABIN6216305) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded mouse brain using UNG antibody (ABIN6133476, ABIN6149934, ABIN6149936 and ABIN6216305) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.