

Datasheet for ABIN2788718
anti-UNG antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	UNG
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Zebrafish (Danio rerio), Guinea Pig, Horse, Rabbit, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UNG antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	GWAKQGVLLL NAVLTVRAHQ ANSHKERGWE QFTDAVVS WL NQNSNGLVFL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 79%, Rat: 100%, Yeast: 79%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against UNG. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	UNG
Alternative Name:	UNG (UNG Products)

Target Details

Target Type:	Viral Protein
Background:	<p>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.</p> <p>Alias Symbols: DGU, DKFZp781L1143, HIGM4, UDG, UNG1, UNG15, UNG2</p> <p>Protein Interaction Partner: RPA3, RPA2, RPA1, vpr, SEZ6L2, CAPN11, UBC, SMUG1, UBE2E2, THOP1, APP, POLB, HSPB1, VPRBP, DDB1, PCNA, PPM1D,</p> <p>Protein Size: 313</p>
Molecular Weight:	34 kDa
Gene ID:	7374
NCBI Accession:	NM_080911 , NP_550433
UniProt:	P13051
Pathways:	DNA Damage Repair , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 313 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

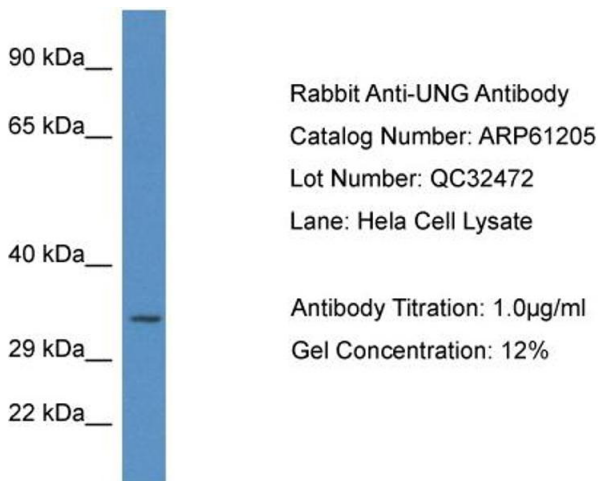
should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

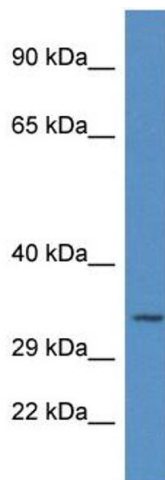
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1.



Western Blotting

Image 2. WB Suggested Anti-UNG Antibody Titration: 1.0 µg/mL

Positive Control: HeLa Whole Cell

UNG is supported by BioGPS gene expression data to be expressed in HeLa