

产品名称: UDG Rabbit Polyclonal Antibody
产品货号: APRab19603



产品概述 (Summary)

产品名称 (Production Name)	UDG Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	UNG
别名 (Alternative Names)	UNG; DGU; UNG1; UNG15; Uracil-DNA glycosylase; UDG
基因 ID (Gene ID)	7374.0
蛋白 ID (SwissProt ID)	P13051.The antiserum was produced against synthesized peptide derived from human UNG. AA range:191-240

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	35kDa

研究背景 (Background)

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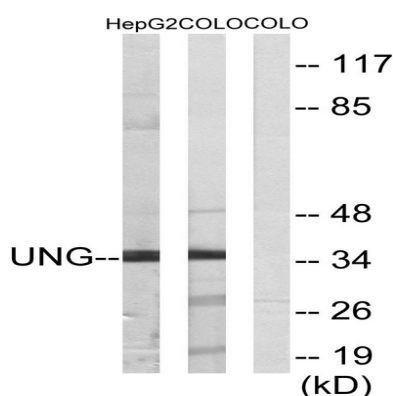


This gene encodes one of several uracil-DNA glycosylases. One important function of uracil-DNA glycosylases is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and initiating the base-excision repair (BER) pathway. Uracil bases occur from cytosine deamination 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],disease:Defects in UNG are a cause of immunodeficiency with hyper-IgM type 5 syndrome (HIGM5) [MIM:608106]. Hyper-IgM syndrome is a condition characterized by normal or increased serum IgM concentrations associated with low or absent serum IgG, IgA, and IgE concentrations. HIGM5 is associated with profound impairment in immunoglobulin (Ig) class-switch recombination (CSR) at a DNA precleavage step.,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.,online information:UNG mutation db,PTM:Isoform 1 is processed by cleavage of a transit peptide.,similarity:Belongs to the uracil-DNA glycosylase family.,subunit:Monomer. Interacts with HIV-1 Vpr.,tissue specificity:Isoform 1 is widely expressed with the highest expression in skeletal muscle, heart and testicles. Isoform 2 has the highest expression levels in tissues containing proliferating cells.,

研究领域 (Research Area)

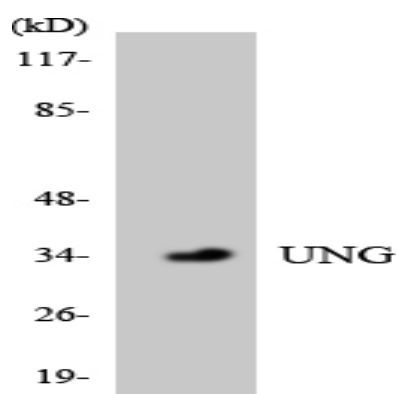
Base excision repair;Primary immunodeficiency;

图片 (Image Data)

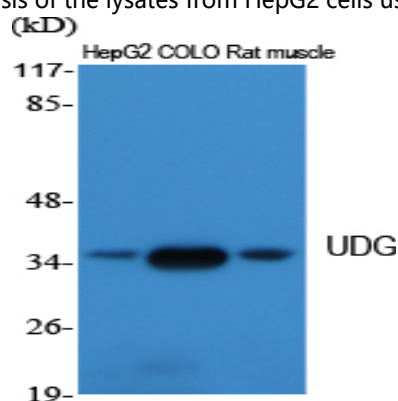


Western blot analysis of lysates from HepG2 and COLO cells, using UNG Antibody. The lane on the right is blocked with the synthesized peptide.

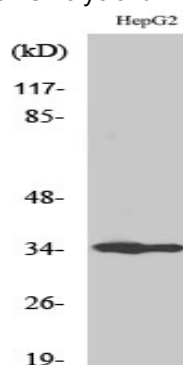
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Western blot analysis of the lysates from HepG2 cells using UNG antibody.



Western Blot analysis of various cells using UDG Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Western Blot analysis of COLO205 cells using UDG Polyclonal Antibody. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .