BT LAB
Bioassay Technology Laboratory
Optimize Your Research

UDG Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09405
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human UNG. AA range:191-240
Mol wt	34645
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	UDG Antibody
Synonyms	UNG; DGU; UNG1; UNG15; Uracil-DNA glycosylase; UDG

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

UNG 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.

Recommended Dilution

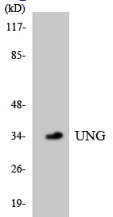
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

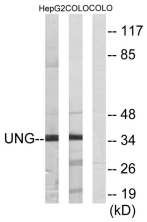
ELISA: 1: 40000

Not yet tested in other applications.

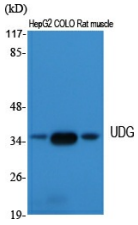
Images



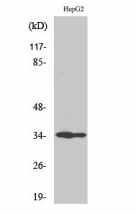
Western blot analysis of the lysates from HepG2 cells using UNG antibody.



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



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

Storage

-20°C for one year

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