

# Product Datasheet

## UNG Antibody - BSA Free NBP1-49985

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NBP1-49985**

UNG Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

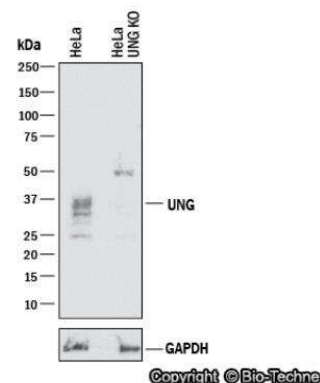
Product Description	
Host	Rabbit
Gene ID	7374
Gene Symbol	UNG
Species	Human
Immunogen	The immunogen for this product maps to a region between residue 263 and 313 of human Uracil-DNA Glycosylase using the numbering given in entry NP_550433.1 (GeneID 7374).

Product Application Details	
Applications	Western Blot, Immunoprecipitation (Negative), Knockdown Validated
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation (Negative), Knockdown Validated

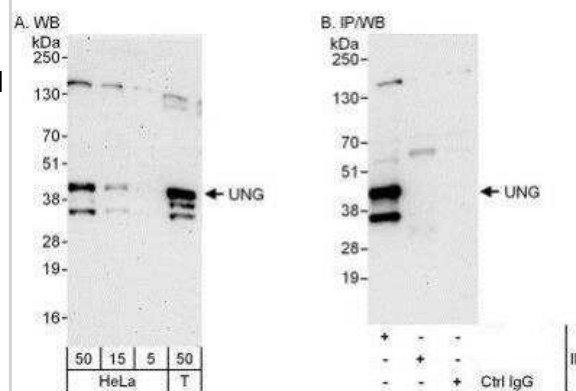


## Images

**Western Blot: UNG Antibody [NBP1-49985]** - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and UNG knockout (KO) HeLa cell line. PVDF membrane was probed with 1:2000 of Rabbit Anti-Human UNG Polyclonal Antibody (Catalog # NBP1-49985) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog #HAF008). Specific band was detected for UNG at approximately 38 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. This experiment was conducted under reducing conditions.



**Western Blot: UNG Antibody [NBP1-49985]** - Detection of Human UNG by Western Blot and Immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded) and 293T (T; 50 mcg) cells. Antibodies: Affinity purified rabbit anti-UNG antibody used for WB at 0.1 mcg/ml (A) and 1 mcg/ml (B) and used for IP at 3 mcg/mg lysate. UNG was successfully immunoprecipitated by rabbit anti-UNG antibody which recognizes an upstream epitope. For blotting immunoprecipitated UNG was used. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



## Publications

Saxena S, Nabel CS, Seay TW et al. Unprocessed genomic uracil as a source of DNA replication stress in cancer cells *Mol Cell* 2024-06-07 [PMID: 38688279]

Wu L, Shukla V, Yadavalli AD et al. HMCES protects immunoglobulin genes specifically from deletions during somatic hypermutation *Genes & Development* 2022-04-01 [PMID: 35450882] (Western Blot)

Hewitt G, Borel V, Segura-Bayona S et al. Defective ALC1 nucleosome remodeling confers PARPi sensitization and synthetic lethality with HRD *Molecular cell* 2020-12-15 [PMID: 33333017]

Eldin P, PErone S, Galashevskaya A et al. Impact of HIV-1 Vpr manipulation of the DNA repair enzyme UNG2 on B lymphocyte class switch recombination *J Transl Med* 2020-08-10 [PMID: 32778120] (IP, Human)



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### **Products Related to NBP1-49985**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-22637	Recombinant E. coli UNG His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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