

For Research Use Only

UNG Polyclonal antibody

Catalog Number: 12394-1-AP **1 Publications**



Basic Information

Catalog Number: 12394-1-AP	GenBank Accession Number: BC015205	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 7374	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P13051	
Isotype: IgG	Full Name: uracil-DNA glycosylase	
Immunogen Catalog Number: AG3072	Calculated MW: 304 aa, 34 kDa	
	Observed MW: 28 kDa, 34-40 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : HT-29 cells, HeLa cells IHC : mouse heart tissue, human testis tissue IF : HeLa cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

UNG(Uracil-DNA glycosylase) removes uracil in DNA resulting from deamination of cytosine or replicative incorporation of dUMP instead of dTMP. Thus, UNG plays a role in suppressing GC-to-AT transition mutations. The UNG gene encodes 2 isoforms that are individually targeted to the mitochondria and the nucleus(PMID:12369930). Defects in UNG are a cause of immunodeficiency with hyper-IgM type 5 (HIGM5).

Notable Publications

Author	Pubmed ID	Journal	Application
Yuan Fu	36868233	Dev Cell	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

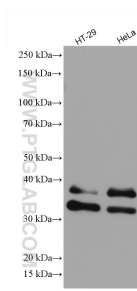
T: 4006900926

E: Proteintech-CN@ptglab.com

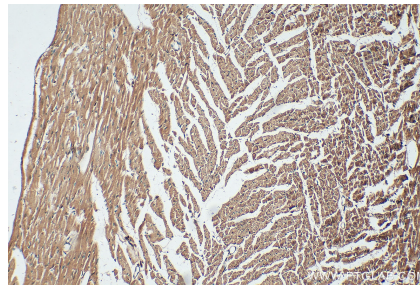
W: ptgcn.com

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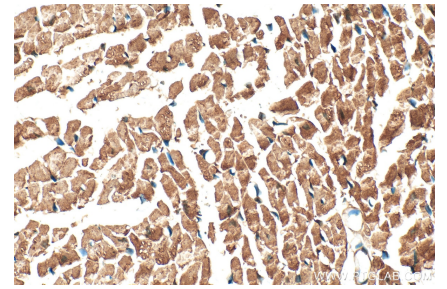
Selected Validation Data



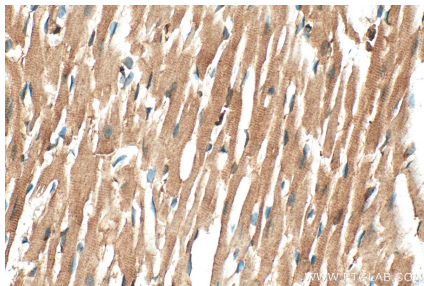
Various lysates were subjected to SDS PAGE followed by western blot with 12394-1-AP (UNG antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



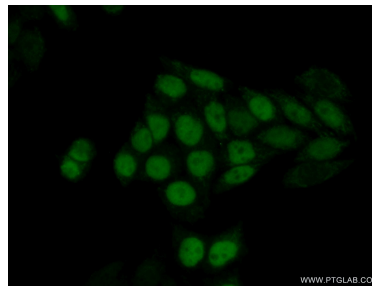
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 12394-1-AP (UNG antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 12394-1-AP (UNG antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 12394-1-AP (UNG antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 12394-1-AP (UNG antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).