

## Product datasheet for **AP20519PU-N**

### CCNO Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000. <b>Immunohistochemistry on paraffin sections</b> 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of UDG protein. (region surrounding His221)
Formulation:	PBS with 0.02% Sodium Azide, 50% glycerol, pH7.2 State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 35 kDa
Gene Name:	cyclin O
Database Link:	<a href="#">Entrez Gene 218630 Mouse</a> <a href="#">Entrez Gene 499528 Rat</a> <a href="#">Entrez Gene 10309 Human P22674</a>

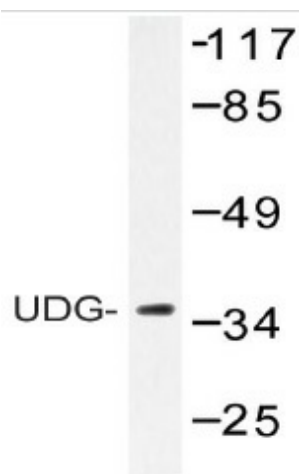
**Background:** The human UNG-gene encodes nuclear (UNG2) and mitochondrial (UNG1) forms of uracil-DNA glycosylase using differentially regulated promoters, PA and PB, and alternative splicing to produce two proteins with unique N-terminal sorting sequences. Uracil in DNA may result from deamination of cytosine which can give rise to transition mutations. Uracil-DNA glycosylase is the DNA repair enzyme responsible for the removal of uracil from DNA. This is probably a biologically important function in the prevention of mutagenesis resulting from cytosine deamination. UNG2 removes misincorporated dUMP residues.



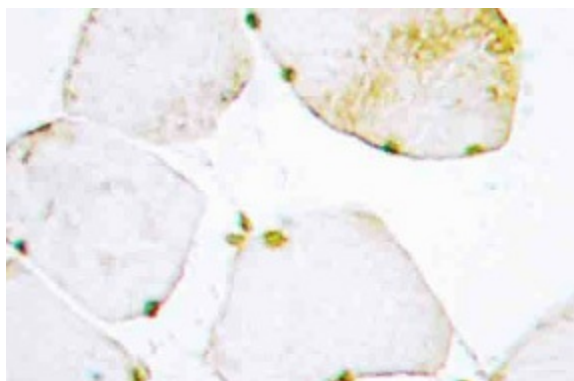
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Synonyms: UDG2, UNG2, CCNO

### Product images:



Western blot (WB) analysis of UDG antibody (Cat.-No.: AP20519PU-N) in extracts from HepG2 cells.



Immunohistochemistry (IHC) analyzes of UDG antibody (Cat.-No.: AP20519PU-N) in paraffin-embedded human skeletal muscle tissue.