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AP07804PU-N Polyclonal Antibody to Uracil-DNA glycosylase 2 / Cyclin-O - Purified

Alternate names: CCNO, Cyclin-like uracil-DNA glycosylase, UDG2, UNG2

Quantity: 50 µg

Concentration: 1 mg/ml

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.

Uniprot ID: P22674

NCBI: NP_066970.3

GeneID: 10309

Host: Rabbit

Immunogen: Synthetic Peptide corresponding to 14 amino acid peptide from near the amino terminus of human UNG2.

Format: **State:** Liquid purified IgG fraction.
Buffer System: Phosphate Buffered Saline PBS containing 0.02% Sodium Azide as preservative.

Applications: **Immunohistochemistry on Paraffin Sections:** 5 µg/ml.
Western Blot.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises Uracil-DNA Glycosylase 2.
Species: Human, Mouse and Rat.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Dilute only prior to immediate use.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

Figure 1. Staining UNG2 in Skin tissue by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.