

Datasheet for ABIN498417

anti-Cyclin O antibody

2 Images

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Overview

Quantity:	0.1 mg
Target:	Cyclin O (CCNO)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin O antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Specificity:	This antibody detects endogenous levels of UDG protein. (region surrounding His221)
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	Affinity chromatography
Purity:	> 95 % by SDS-PAGE

Target Details

Target:	Cyclin O (CCNO)
Alternative Name:	Uracil-DNA Glycosylase 2 / Cyclin-O (CCNO Products)
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

Target Details

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. Synonyms: CCNO, Cyclin-like uracil-DNA glycosylase, UDG2, UNG2

Molecular Weight: approx. 35 kDa

Gene ID: 10309

NCBI Accession: [NP_066970](#)

UniProt: [P22674](#)

Application Details

Application Notes: Western Blot: 1/500 - 1/1000. Immunohistochemistry: 1/50 - 1/200.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1,0 mg/mL

Buffer: Phosphate buffered saline (PBS), pH 7.2., 0.05 % sodium azide

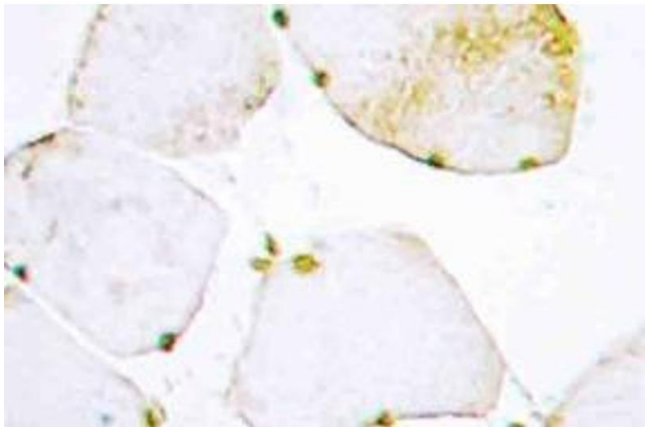
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

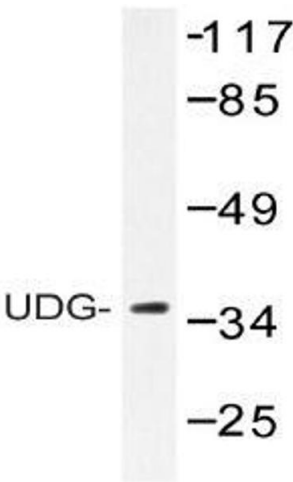
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry (IHC) analyzes of UDG antibody in paraffin-embedded human skeletal muscle tissue.



Western Blotting

Image 2. Western blot (WB) analysis of UDG antibody in extracts from HepG2 cells.