

Anti-UDG Antibody
Rabbit polyclonal antibody to UDG
Catalog # AP59727**Specification**

Anti-UDG Antibody - Product Information

Application	WB, IH
Primary Accession	P13051
Other Accession	P97931
Reactivity	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34645

Anti-UDG Antibody - Additional Information**Gene ID** 7374**Other Names**

DGU; UNG1; UNG15; Uracil-DNA glycosylase; UDG

Target/Specificity

Recognizes endogenous levels of UDG protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

IH~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-UDG Antibody - Protein Information**Name** UNG {ECO:0000255|HAMAP-Rule:MF_03166}**Function**

Excises uracil residues from the DNA which can arise as a result of misincorporation of dUMP residues by DNA polymerase or due to deamination of cytosine.

Cellular Location

[Isoform 1]: Mitochondrion.

Tissue Location

Isoform 1 is widely expressed with the highest expression in skeletal muscle, heart and testicles.

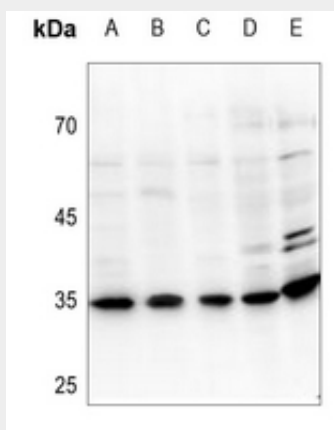
Isoform 2 has the highest expression levels in tissues containing proliferating cells

Anti-UDG Antibody - Protocols

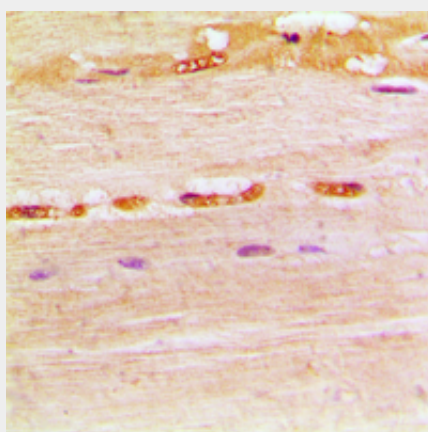
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-UDG Antibody - Images



Western blot analysis of UDG expression in PC2 (A), SGC7901 (B), HEK293T (C), PC12 (D), CT26 (E) whole cell lysates.



Immunohistochemical analysis of UDG staining in human muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-UDG Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human UDG. The exact sequence is proprietary.