

UNG / Uracil DNA Glycosylase Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16023**Specification**

UNG / Uracil DNA Glycosylase Antibody (N-Terminus) - Product Information

Application	WB, IHC, IF
Primary Accession	P13051
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35kDa KDa

UNG / Uracil DNA Glycosylase Antibody (N-Terminus) - Additional Information**Gene ID** 7374**Other Names**

Uracil-DNA glycosylase {ECO:0000255|HAMAP-Rule:MF_03166}, UDG
{ECO:0000255|HAMAP-Rule:MF_03166}, 3.2.2.27 {ECO:0000255|HAMAP-Rule:MF_03166}, UNG
{ECO:0000255|HAMAP-Rule:MF_03166}

Target/Specificity

At least two isoforms of UNG2 are known to exist; this antibody will only detect the longer isoform. UNG2 antibody is predicted to not cross-react with UNG1.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

UNG / Uracil DNA Glycosylase Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

UNG / Uracil DNA Glycosylase Antibody (N-Terminus) - 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

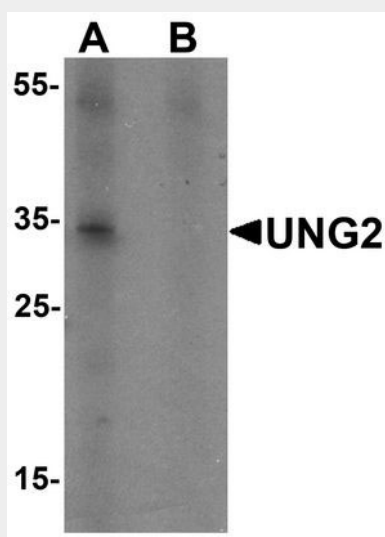
Isoform 1 is widely expressed with the highest expression in skeletal muscle, heart and testicles. Isoform 2 has the highest expression levels in tissues containing proliferating cells

UNG / Uracil DNA Glycosylase Antibody (N-Terminus) - Protocols

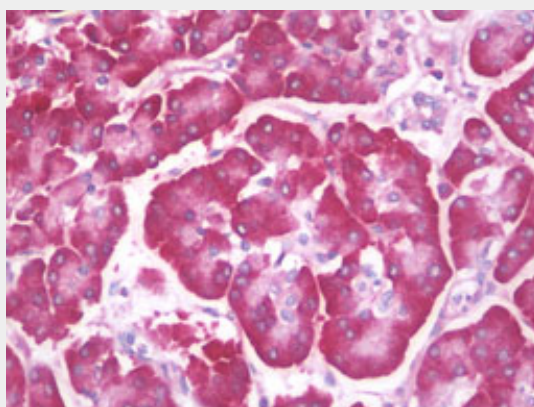
Provided below are standard protocols that you may find useful for product applications.

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

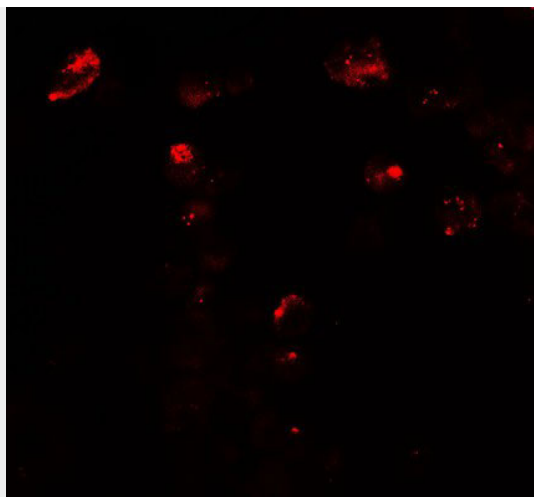
UNG / Uracil DNA Glycosylase Antibody (N-Terminus) - Images



Western blot analysis of UNG in 3T3 cell lysate with UNG antibody at 1 ug/ml in (A) the presence...



Anti-UNG / Uracil DNA Glycosylase antibody IHC staining of human pancreas.



Immunofluorescence of UNG in 3T3 cells with UNG antibody at 20 µg/mL.

UNG / Uracil DNA Glycosylase Antibody (N-Terminus) - Background

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.

UNG / Uracil DNA Glycosylase Antibody (N-Terminus) - References

- Olsen L.C.,et al.EMBO J. 8:3121-3125(1989).
- Haug T.,et al.FEBS Lett. 353:180-184(1994).
- Nilsen H.,et al.Nucleic Acids Res. 25:750-755(1997).
- Ota T.,et al.Nat. Genet. 36:40-45(2004).
- Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.