

Product datasheet

Anti-UNG antibody ab233206

8 Images

Overview

Product name	Anti-UNG antibody
Description	Rabbit polyclonal to UNG
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human, Pig
Immunogen	<p>Recombinant full length protein (His-T7-tag) corresponding to Human UNG aa 1-313. (Expressed in E.coli).</p> <p>Sequence:</p> <p>MIGQKTLYSFFSPSPARKRHAPSPEPAVQGTGVAGVP EESGDAAAIPAKK APAGQEEPSTPPSSPLSAEQLDRIQRNKAAALLRLAA RNVPVGFGEWKK HLSGEFGKPYFIKLMGFVAEERKHYTVPPPHQVFTWT QMCDIKDVKVI LGQDPYHGPNQAHGLCFVQRPVPPPPSLENIKELS TDIEDFVHPGHGD LSGWAKQGVLLNAVLTVRAHQANSHKERGWQFTD AVVSWLNQNSGLV FLLWGSYAQKKGSAIDRKRHHVLQTAHPSPLSVYRGF FGCRHFSKTNELL QKSGKKPIDWKEL</p>

Database link: [P13051](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control	WB: Recombinant human UNG protein; Pig heart lysate. IHC-P: Human pancreas, cerebrum, glioma, liver, kidney and stomach tissue.
-------------------------	---------------------------------------------------------------------------------------------------------------------------------

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide

	Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab233206** in the following tested applications.

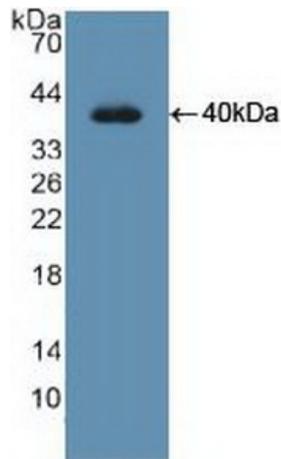
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 35 kDa.

Target

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.
Tissue specificity	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.
Involvement in disease	Defects in UNG are a cause of immunodeficiency with hyper-IgM type 5 syndrome (HIGM5) [MIM:608106]. Hyper-IgM syndrome is a condition characterized by normal or increased serum IgM concentrations associated with low or absent serum IgG, IgA, and IgE concentrations. HIGM5 is associated with profound impairment in immunoglobulin (Ig) class-switch recombination (CSR) at a DNA precleavage step.
Sequence similarities	Belongs to the uracil-DNA glycosylase family.
Post-translational modifications	Isoform 1 is processed by cleavage of a transit peptide.
Cellular localization	Mitochondrion and Nucleus.

Images



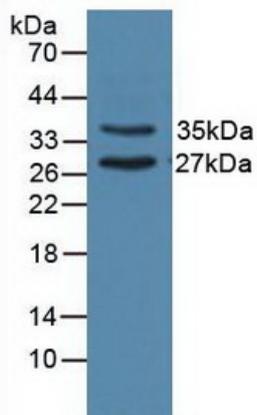
Western blot - Anti-UNG antibody (ab233206)

Anti-UNG antibody (ab233206) at 2 μ g/ml + Recombinant human UNG protein

Secondary

HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

Predicted band size: 35 kDa



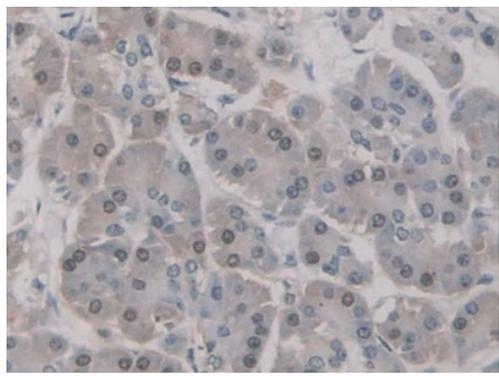
Western blot - Anti-UNG antibody (ab233206)

Anti-UNG antibody (ab233206) at 2 μ g/ml + Pig heart lysate

Secondary

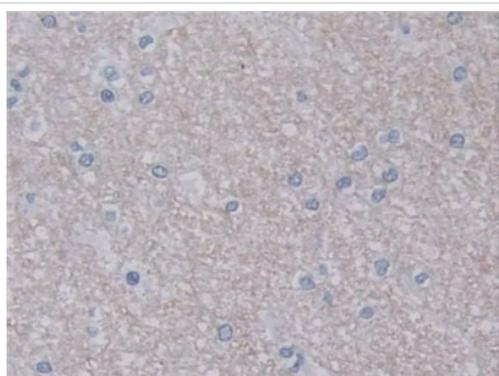
HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

Predicted band size: 35 kDa



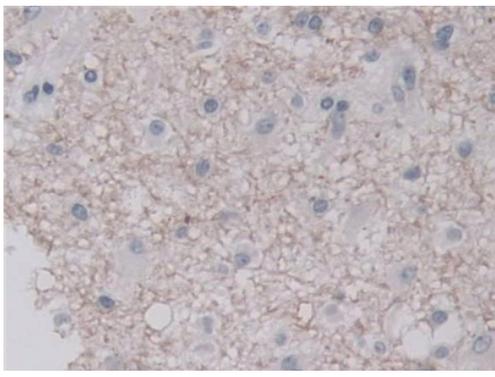
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UNG antibody (ab233206)

Formalin-fixed, paraffin-embedded human pancreas tissue stained for UNG using ab233206 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



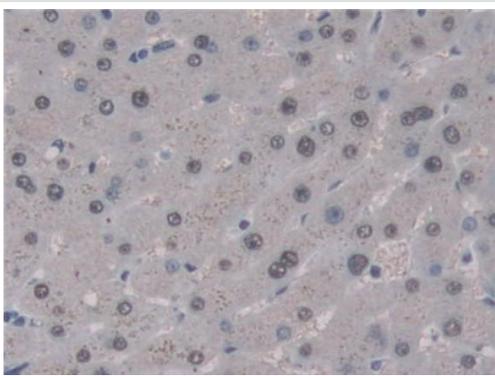
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UNG antibody (ab233206)

Formalin-fixed, paraffin-embedded human cerebrum tissue stained for UNG using ab233206 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



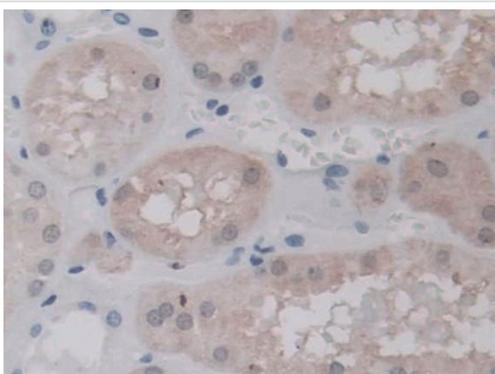
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UNG antibody (ab233206)

Formalin-fixed, paraffin-embedded human glioma tissue stained for UNG using ab233206 at 20 µg/ml in immunohistochemical analysis. DAB staining.



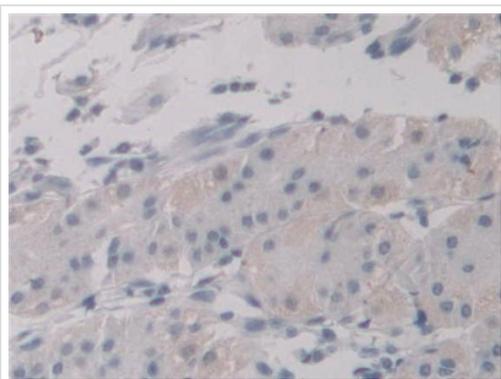
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UNG antibody (ab233206)

Formalin-fixed, paraffin-embedded human liver tissue stained for UNG using ab233206 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UNG antibody (ab233206)

Formalin-fixed, paraffin-embedded human kidney tissue stained for UNG using ab233206 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UNG antibody (ab233206)

Formalin-fixed, paraffin-embedded human stomach tissue stained for UNG using ab233206 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors