Datasheet: AHP1201

Description: RABBIT ANTI URACIL-DNA GLYCOSYLASE 1 (C-TERMINAL)

Specificity: URACIL-DNA GLYCOSYLASE 1 (C-TERMINAL)

Other names: UNG1

Format: Purified

Product Type: Polyclonal Antibody

Isotype: Polyclonal IgG

Quantity: 0.1 mg

RRID: AB_844685

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td>0.5 - 1.0ug/ml</td>
</tr>
</tbody>
</table>

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to human uracil-DNA glycosylase 1 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.02% Sodium Azide

Approx. Protein Concentrations

IgG concentration 1.0mg/ml
Immunogen 14 amino acid peptide sequence near the amino terminus of human UNG1.

External Database Links

UniProt: P13051 Related reagents

Entrez Gene: 7374 UNG Related reagents

Synonyms DGU, UNG1, UNG15

Specificity Rabbit anti Uracil-DNA glycolase 1 antibody recognizes uracil-DNA glycosylase 1 (UNG1), a member of the uracil-DNA glycosylase and cyclin family. Two isoforms of UNG exist, isoform 1 is expressed in the mitochondria of in skeletal muscle, heart and testicles while isoform 2 (UNG2) is more abundant in proliferating tissues and expressed in the nucleus.

Uracil residues can be misincorporated into DNA by DNA polymerase or by deamination of cytosine. UNG1 is a major enzyme in base excision repair, excising the misincorporated uracil residues in a process crucial to increasing immunoglobulin diversity. In association with activation-induced cytosine deaminase, UNG is also essential to the generation of strand breaks that initiate class switch recombination.

UNG is also involved in the innate immune response against retroviral infections, HIV-1 accessory protein Vpr induces the rapid degradation of UNG2.

Western Blotting AHP1201 detects a band of approximately 34.6kDa in C2C/2 cell lysates.


Storage Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 18 months from date of despatch.


Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) FITC
- Goat Anti Rabbit IgG (H/L) (STAR124...) HRP
Goat Anti Rabbit IgG (Fc) (STAR121...) **Biotin, FITC, HRP**
Sheep Anti Rabbit IgG (STAR35...) **RPE**
Sheep Anti Rabbit IgG (2AB02...) **Biotin**
Sheep Anti Rabbit IgG (STAR36...) **DyLight®488, DyLight®680, DyLight®800**

**Recommended Useful Reagents**

**TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)**

<table>
<thead>
<tr>
<th>North &amp; South America</th>
<th>Worldwide</th>
<th>Europe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tel: +1 800 265 7376</td>
<td>Tel: +44 (0)1865 852 700</td>
<td>Tel: +49 (0) 89 8090 95 21</td>
</tr>
<tr>
<td>Fax: +1 919 878 3751</td>
<td>Fax: +44 (0)1865 852 739</td>
<td>Fax: +49 (0) 89 8090 95 50</td>
</tr>
<tr>
<td>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a></td>
<td>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a></td>
<td>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a></td>
</tr>
</tbody>
</table>

*M333931:181217*

**Printed on 20 May 2019**