Datasheet: AHP1628

Description: RABBIT ANTI GAPDH (N-TERMINAL)

Specificity: GAPDH (N-TERMINAL)

Other names: GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE

Format: Purified

Product Type: Polyclonal Antibody

Isotype: Polyclonal IgG

Quantity: 0.1 mg

Product Details

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>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunohistology - Paraffin (1)</td>
<td></td>
<td></td>
<td></td>
<td>10ug/ml</td>
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<tr>
<td>Western Blotting</td>
<td></td>
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<td></td>
<td>0.5 - 1.0ug/ml</td>
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<tr>
<td>Immunocytochemistry</td>
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<td>1/25 - 1/100</td>
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</table>

Where this product 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 product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

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: Antiserum to human GADPH (N-Terminal) was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.02% Sodium Azide (NaN₃)

Approx. Protein Concentrations: IgG concentration 1.0mg/ml

Immunogen: A peptide corresponding to a 16 amino acid sequence from near the amino-terminus of GAPDH.
Rabbit anti GAPDH (N-Terminal) antibody recognizes human glyceraldehyde 3-phosphate dehydrogenase (GAPDH). GAPDH is a major glycolytic enzyme within the cytosol, which is also involved in a number of intracellular processes including membrane fusion, microtubule bundling, phosphotransferase, DNA replication and DNA repair.

GAPDH may be involved in the cellular phenotype of age-related neurodegenerative disorders such as Alzheimer's and Huntington's disease.

Histology Positive Control Tissue
Human liver tissue

Western Blotting
AHP1628 detects a band of approximately 40kDa in HeLa cell lysates.

References

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.

Shelf Life
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only

Related Products

**Recommended Secondary Antibodies**

- Sheep Anti Rabbit IgG (STAR34...) FITC
- Sheep Anti Rabbit IgG (STAR35...) RPE
- Goat Anti Rabbit IgG (H/L) (STAR124...) HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)  Biotin, FITC, HRP
Sheep Anti Rabbit IgG (2AB02...)  Biotin
Sheep Anti Rabbit IgG (STAR36...)  DyLight®488, DyLight®549, DyLight®649,
                                DyLight®680, DyLight®800

**Recommended Useful Reagents**

- **HISTAR DETECTION SYSTEM (STAR3000A)**
- **ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)**
- **ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)**
- **TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)**