

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

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.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	■			10ug/ml
Western Blotting	■			0.5 - 1.0ug/ml
Immunocytochemistry	■			1/25 - 1/100

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 GAPDH (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 (NaN ₃)
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.

**External Database
Links**

UniProt:

[P04406](#) [Related reagents](#)

Entrez Gene:

[2597](#) GAPDH [Related reagents](#)

Synonyms

GAPD

Specificity

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

1. Rogalska, A. *et al.* (2014) Epothilone B induces extrinsic pathway of apoptosis in human SKOV-3 ovarian cancer cells. [Toxicol In Vitro. 28: 675-83.](#)
2. Paré, B. *et al.* (2015) Early detection of structural abnormalities and cytoplasmic accumulation of TDP-43 in tissue-engineered skins derived from ALS patients. [Acta Neuropathol Commun. 3 \(1\): 5.](#)
3. Mohan, H. *et al.* (2014) Nutrients differentially regulate nucleobindin-2/nesfatin-1 *in vitro* in cultured stomach ghrelinoma (MGN3-1) cells and *in vivo* in male mice. [PLoS One. 9 \(12\): e115102.](#)
4. Nevzorova, Y.A. *et al.* (2017) Anti-tumorigenic and anti-angiogenic effects of natural conifer *Abies sibirica* terpenoids *in vivo* and *in vitro*. [Biomed Pharmacother. 89: 386-95.](#)
5. Antonucci, J.M. *et al.* (2016) SAMHD1-mediated HIV-1 restriction in cells does not involve ribonuclease activity. [Nat Med. 22 \(10\): 1072-1074.](#)

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**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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 \(STAR209P\)](#)

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