

## Datasheet: AHP1739

**BATCH NUMBER 170424**

<b>Description:</b>	RABBIT ANTI HUMAN NESTIN
<b>Specificity:</b>	NESTIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	▪			5ug/ml
ELISA	▪			1/20000 - 1/80000
Western Blotting	▪			1/500 - 1/3000

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: Macaque, Mouse, Bovine, Dog, Hamster, Rat, Rabbit

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antisera to Human Nestin were raised by repeated immunisation of Rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>Immunogen</b>	Recombinant human Nestin (aa1484-1500).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q6P5H2</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">18008</a>    Nes    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2151137
<b>Specificity</b>	<p><b>Rabbit anti Human nestin antibody</b> recognizes human Nestin, an intermediate filament involved in cytoskeletal organisation.</p> <p>Nestin is a marker of multipotent neuroectodermal cells and is downregulated as the cells cease division and differentiate to their neural or glial lineages.</p> <p>Expression of Nestin is seen in almost all GBMs (<a href="#">Glioblastoma multiformes</a>) and many melanomas (both primary and metastatic) but not in any metastatic carcinomas.</p>
<b>Histology Positive Control Tissue</b>	Human kidney
<b>References</b>	1. Johansen, T. <i>et al.</i> (2017) Comparative Analysis of Spontaneous and Stimulus-Evoked Calcium Transients in Proliferating and Differentiating Human Midbrain-Derived Stem Cells <a href="#">Stem Cells International. 2017: 1-14.</a>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/AHP1739">https://www.bio-rad-antibodies.com/SDS/AHP1739</a></p> <p>10040</p>
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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