

## Datasheet: AHP385

<b>Description:</b>	RABBIT ANTI S100 PROTEIN
<b>Specificity:</b>	S100
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

## 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
Flow Cytometry			■	
Immunohistology - Frozen	■			1/10 - 1/40
Immunohistology - Paraffin	■			1/10 - 1/40
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	

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.

<b>Target Species</b>	Bovine
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Human, Rat, Western grey kangaroo <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Serum - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin
<b>Immunogen</b>	Bovine brain S-100.

### Specificity

**Rabbit anti S100 Protein antibody** reacts with human S-100 A and S-100 B. S100 is present in brain glial cells and in ependymal cells. Rabbit anti S100 Protein antibody also labels Schwann cells of the peripheral nervous system.

Among tumours of the human central and peripheral nervous systems, schwannomas, ependymomas and astroglomas of different stages, including glioblastomas show positive reactions. S100 can be detected in almost all benign naevi and malignant melanocytic tumours of

the skin and in Langerhans cells in the skin.

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<b>Immunohistology</b>	This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.
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<b>Histology Positive Control Tissue</b>	Brain, skin or human melanoma
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<b>References</b>	<ol style="list-style-type: none"><li>1. Kindblom, L.G. <i>et al.</i> (1984) S-100 protein in melanocytic tumors. An immunohistochemical investigation of benign and malignant melanocytic tumors and metastases of malignant melanoma and a characterization of the antigen in comparison to human brain. <a href="#">Acta Pathol Microbiol Immunol Scand A. 92 (4): 219-30.</a></li><li>2. Lauriola, L. <i>et al.</i> (1984) Detection of S-100 labelled cells in nasopharyngeal carcinoma. <a href="#">J Clin Pathol. 37 (11): 1235-8.</a></li><li>3. Lam, T.T. <i>et al.</i> (2003) Early glial responses after acute elevated intraocular pressure in rats. <a href="#">Invest Ophthalmol Vis Sci. 44 (2): 638-45.</a></li><li>4. Etherington S. J. <i>et al.</i> (2016) Heterochronic neuromuscular junction development in an Australian marsupial (<i>Macropus fuliginosus</i>) <a href="#">J Zool. Jun 26 [Epub ahead of print]</a></li></ol>
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Moore, B.W. (1965) A soluble protein characteristic of the nervous system. <a href="#">Biochem Biophys Res Commun. 19 (6): 739-44.</a></li></ol>
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<b>Storage</b>	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.
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<b>Shelf Life</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10304 available at: 10304: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (2AB02...)	<a href="#">Biotin</a>
Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> , <a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a>

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