

Datasheet: AHP1870

**BATCH NUMBER 160725**

<b>Description:</b>	SHEEP ANTI GUINEA PIG CALRETININ
<b>Specificity:</b>	CALRETININ
<b>Other names:</b>	CALB2
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 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	▪			1/500
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/1000

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.

<b>Target Species</b>	Guinea Pig
<b>Species Cross Reactivity</b>	<p>Reacts with: Rat</p> <p>Based on sequence similarity, is expected to react with: Human, Mouse, Primate</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid

**Antiserum Preparation** Antisera to Calretinin were raised by repeated immunisations of sheep with highly purified

antigen. Purified IgG was prepared from whole serum by Protein A chromatography.

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<b>Buffer Solution</b>	TRIS buffered saline
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<b>Preservative Stabilisers</b>	None present
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<b>Immunogen</b>	Purified guinea pig calretinin
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P47728</a> <a href="#">Related reagents</a> <a href="#">P22676</a> <a href="#">Related reagents</a> <a href="#">Q08331</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">117059</a> Calb2 <a href="#">Related reagents</a> <a href="#">794</a> CALB2 <a href="#">Related reagents</a> <a href="#">12308</a> Calb2 <a href="#">Related reagents</a>
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<b>Synonyms</b>	CAB29
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<b>RRID</b>	AB_1720089
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<b>Specificity</b>	<p><b>Sheep anti calretinin antibody</b> recognizes calretinin, a ~29 kDa calcium binding protein found mostly in the central nervous system and retina. It is a cytoplasmic protein involved in the regulation of calcium concentration, which is important in the regulation of a large variety of neuronal functions, including neurotransmitter release, ionic channel permeability, enzyme activity, and gene transcription. Mice deficient in calretinin show impairment in motor coordination.</p> <p>Calretinin is a sensitive and specific marker for mast cells.</p>
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<b>Western Blotting</b>	AHP1870 detects a band of approximately 29kDa in rat cerebellum.
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<b>Storage</b>	Store at -20°C only. 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>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10170 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1870">https://www.bio-rad-antibodies.com/SDS/AHP1870</a> 10170
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

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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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