

Datasheet: AHP1870

BATCH NUMBER 161019

Description:	SHEEP ANTI GUINEA PIG CALRETININ
Specificity:	CALRETININ
Other names:	CALB2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

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

Buffer Solution	TRIS buffered saline
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Preservative Stabilisers	None present
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Immunogen	Purified guinea pig calretinin
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External Database Links	UniProt: P47728 Related reagents P22676 Related reagents Q08331 Related reagents Entrez Gene: 117059 Calb2 Related reagents 794 CALB2 Related reagents 12308 Calb2 Related reagents
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Synonyms	CAB29
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RRID	AB_1720089
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Specificity	<p>Sheep anti calretinin antibody 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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Western Blotting	AHP1870 detects a band of approximately 29kDa in rat cerebellum.
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Storage	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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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10170 available at: https://www.bio-rad-antibodies.com/SDS/AHP1870 10170
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Regulatory	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

Worldwide

Tel: +44 (0)1865 852 700

Europe

Tel: +49 (0) 89 8090 95 21

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

'M364078:200529'

Printed on 01 Mar 2024

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