

Datasheet: AHP1870

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	Reacts with: Rat Based on sequence similarity, is expected to react with: Human, Mouse, Primate N.B. Antibody reactivity and working conditions may vary between species.
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
Preservative Stabilisers	None present
Immunogen	Purified guinea pig calretinin
External Database	UniProt:

Links

[P47728](#) [Related reagents](#)
[P22676](#) [Related reagents](#)
[Q08331](#) [Related reagents](#)

Entrez Gene:

[117059](#) Calb2 [Related reagents](#)
[794](#) CALB2 [Related reagents](#)
[12308](#) Calb2 [Related reagents](#)

Synonyms

CAB29

Specificity

Sheep anti calretinin antibody recognises 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.

Calretinin is a sensitive and specific marker for mast cells.

Western Blotting

AHP1870 detects a band of approximately 29kDa in rat cerebellum.

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.

Shelf Life

12 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10170 available at:
10170: <https://www.bio-rad-antibodies.com/uploads/MSDS/10170.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[FITC](#), [HRP](#)

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