

Datasheet: AHP2048

Description:	GOAT ANTI CAVEOLIN 1
Specificity:	CAVEOLIN 1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin	■			2.5ug/ml
ELISA	■			1:32000
Western Blotting	■			0.3 - 1.0ug/ml
Functional Assays			■	

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	Human
Species Cross Reactivity	Reacts with: Dog, Pig, Rat, Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid

Antiserum Preparation Antiserum to Caveolin 1 was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.05% Bovine Serum Albumin
Approx. Protein Concentrations	Total protein concentration 0.5mg/ml
Immunogen	Synthetic peptide sequence DELSEKQVYDAH (aa 34-45) corresponding to an internal domain of human Caveolin 1.

**External Database
Links**

UniProt:

[Q03135](#) [Related reagents](#)

Entrez Gene:

[857](#) CAV1 [Related reagents](#)

Synonyms

CAV

Specificity

Goat anti Human caveolin-1 antibody recognizes human caveolin-1, a ~21 kDa scaffolding protein, the main component of caveolae; endocytic vesicles found in almost all cell types. Caveolin-1 has a number of functions, with important roles in lipid transport, membrane traffic and signal transduction.

Caveolin-1 has been implicated in the pathogenesis of oncogenic cell transformation, tumorigenesis, and metastasis and functions as a tumour and/or metastasis-modifying gene ([Williams and Lisanti 2005](#)).

Immunohistology

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.

**Histology Positive
Control Tissue**

Human heart

Storage

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.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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Printed on 11 May 2018

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