

Datasheet: VPA00698

Description:	RABBIT ANTI CAVEOLIN 1
Specificity:	CAVEOLIN 1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

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
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.01% Thiomersal 1% Bovine Serum Albumin <50% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Carrier-protein conjugated synthetic peptide encompassing part of the N-terminal region of human caveolin 1

**External Database
Links**

UniProt:

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

Entrez Gene:

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

Synonyms

CAV

Specificity

Rabbit anti Human caveolin 1 antibody recognizes caveolin-1 also known as cell growth-inhibiting protein 32, CAV1, or PPH3 .

The scaffolding protein encoded by CAV1 is the main component of the caveolae plasma membranes found in most cell types. The protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The gene CAV1 is a tumor suppressor gene candidate and a negative regulator of the Ras-p42/44 mitogen-activated kinase cascade. Caveolin 1 and caveolin 2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Mutations in CAV1 have been associated with Berardinelli-Seip congenital lipodystrophy. Alternatively spliced transcripts encode alpha and beta isoforms of caveolin 1 (provided by RefSeq, Mar 2010).

Rabbit anti Human caveolin 1 antibody detects a band of 21 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Rabbit anti caveolin 1 detects a band of approximately 21 kDa in A549 cell lysates.

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee

12 months from date of despatch.

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety
Information**

Material Safety Datasheet documentation #10096 available at:
<https://www.bio-rad-antibodies.com/SDS/VPA00698>
Antibody (10096)

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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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://www.bio-rad-antibodies.com/datasheets)

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