

Datasheet: AHP707

Description:	GOAT ANTI HUMAN CAPZB
Specificity:	CAPZB
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

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			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting	■			0.5ug/ml - 2ug/ml

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat, Pig Based on sequence similarity, is expected to react with: Bovine N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to CAPZB were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Synthetic peptide NDLVEALKRKQQC corresponding to the C-terminus of CAPZB (NP_004921).

**External Database
Links**

UniProt:

[P47756](#) [Related reagents](#)

Entrez Gene:

[832](#) CAPZB [Related reagents](#)

Specificity

Goat anti Human CAPZB antibody recognizes human F-actin capping protein muscle Z-line beta also known as CapZ beta or CAPZB. CAPZB is a member of the F-actin capping protein family involved in the growth regulation of actin filaments by binding to the barbed ends of fast growing actin filaments ([Bai *et al.* 2011](#)).

Western Blotting

AHP707 detects a band of approximately 28-30kDa in human liver extracts. A minimum incubation time of 1 hour is recommended for this antibody.

References

1. Masszi, A. *et al.* (2010) Fate-determining mechanisms in epithelial-myofibroblast transition: major inhibitory role for Smad3. [J Cell Biol. 188 \(3\): 383-99.](#)

Further Reading

1. Barron-casella, E.A. *et al.* (1995) Sequence analysis and chromosomal localization of human Cap Z. Conserved residues within the actin-binding domain may link Cap Z to gelsolin/severin and profilin protein families. [J Biol Chem. 270 \(37\): 21472-9.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. 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 #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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