

## Datasheet: VPA00678

<b>Description:</b>	RABBIT ANTI COFILIN 1
<b>Specificity:</b>	COFILIN 1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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

### Species Cross Reactivity

Reacts with: Mouse, Rat

**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.

### Product Form

Purified IgG - liquid

### Preparation

Rabbit polyclonal antibody purified by affinity chromatography.

### Buffer Solution

TRIS buffered glycine.

### Preservative Stabilisers

0.01% Thiomersal  
<50% Glycerol

### Immunogen

Recombinant protein encompassing part of the middle region of human cofilin 1

**External Database  
Links**

**UniProt:**

[P23528](#)

[Related reagents](#)

**Entrez Gene:**

[1072](#)

CFL1

[Related reagents](#)

**Synonyms**

CFL

**Specificity**

**Rabbit anti Human cofilin 1 antibody** recognizes cofilin 1, also known as 18 kDa phosphoprotein, cofilin, non-muscle isoform, cofilin-1 or epididymis secretory protein Li 15, p18.

The protein encoded by CFL1 gene can polymerize and depolymerize F-actin and G-actin in a pH-dependent manner. Increased phosphorylation of this protein by LIM kinase aids in Rho-induced reorganization of the actin cytoskeleton. Cofilin is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH-dependent manner. It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus (supplied by OMIM, Apr 2004).

Rabbit anti Human cofilin 1 antibody detects a band of 19 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Rabbit anti cofilin 1 detects a band of approximately 19 kDa in A431 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 #20357 available at:  
<https://www.bio-rad-antibodies.com/SDS/VPA00678>  
Antibody (20357)

**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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