

## Datasheet: VPA00678KT

<b>Description:</b>	COFILIN 1 ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	COFILIN 1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	2 Westerns

### 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

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant 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

20µl 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

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P23528</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">1072</a> CFL1 <a href="#">Related reagents</a>
<b>Synonyms</b>	CFL
<b>Specificity</b>	<p><b>Rabbit anti Human cofilin 1 antibody</b> recognizes cofilin 1, also known as 18 kDa phosphoprotein, cofilin, non-muscle isoform, cofilin-1 or epididymis secretory protein Li 15, p18.</p> <p>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).</p> <p>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.</p>
<b>Western Blotting</b>	Rabbit anti cofilin 1 detects a band of approximately 19 kDa in A431 cell lysates
<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.
<b>Lysate Composition</b>	400µg A431 lysate lyophilized in RIPA buffer.
<b>Lysate Reconstitution</b>	<ul style="list-style-type: none"> <li>- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</li> <li>- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</li> </ul> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
<b>Storage</b>	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
<b>Guarantee</b>	As supplied, 12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories
<b>Health And Safety</b>	Material Safety Datasheet documentation #20357 #10561 available at:

**Information** Antibody (20357): <https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf>  
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

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