

## Datasheet: VPA00686

<b>Description:</b>	RABBIT ANTI ALPHA ACTININ 4
<b>Specificity:</b>	ALPHA ACTININ 4
<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

**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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography
<b>Buffer Solution</b>	TRIS buffered glycine
<b>Preservative Stabilisers</b>	0.01% Thiomersal <50% Glycerol
<b>Immunogen</b>	Recombinant protein encompassing part of the middle region of human alpha actinin 4
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">O43707</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">81</a>   ACTN4   <a href="#">Related reagents</a></p>
<b>Specificity</b>	<b>Rabbit anti Human alpha actinin 4 antibody</b> recognizes alpha actinin 4, also known as actinin-4, ACTN4, FSGS or FSGS1.

Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. ACTN4 gene encodes a non-muscle, alpha actinin isoform which is concentrated in the cytoplasm, and thought to be involved in metastatic processes. Mutations in ACTN4 gene have been associated with focal and segmental glomerulosclerosis (provided by RefSeq, Jul 2008).

Rabbit anti Human alpha actinin 4 antibody detects a band of 100 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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<b>Western Blotting</b>	Rabbit anti alpha actinin 4 detects a band of approximately 100 kDa in MCF7 cell lysates
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<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.
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<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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<b>Shelf Life</b>	As supplied, 12 months from date of despatch.
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<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20357 available at: Antibody (20357): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf</a>
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<b>Regulatory</b>	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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