

## 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

**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

**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 alpha actinin 4

**External Database  
Links**

**UniProt:**

[O43707](#) [Related reagents](#)

**Entrez Gene:**

[81](#) ACTN4 [Related reagents](#)

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**Specificity**

**Rabbit anti Human alpha actinin 4 antibody** 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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**Western Blotting**

Rabbit anti alpha actinin 4 detects a band of approximately 100 kDa in MCF7 cell lysates.

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**Storage**

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

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**Guarantee**

12 months from date of despatch.

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #20357 available at:  
<https://www.bio-rad-antibodies.com/SDS/VPA00686>  
Antibody (20357)

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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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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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