

Datasheet: VPA00511

**BATCH NUMBER 160712**

<b>Description:</b>	GOAT ANTI CORTACTIN
<b>Specificity:</b>	CORTACTIN
<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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid.
<b>Preparation</b>	Goat polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline.
<b>Preservative Stabilisers</b>	<p>0.09% Sodium Azide (NaN<sub>3</sub>)</p> <p>0.5% Bovine Serum Albumin.</p>

Immunogen Peptide sequence WKASAGHAVSIA-C

#### External Database

##### Links

##### UniProt:

[Q14247](#)

[Related reagents](#)

##### Entrez Gene:

[2017](#)

CTTN

[Related reagents](#)

##### Synonyms

EMS1

##### Specificity

**Goat anti Human cortactin antibody** recognizes the Src substrate cortactin, also known as amplexin or oncogene EMS1.

The CTTN gene is overexpressed in breast cancer and squamous cell carcinomas of the head and neck ([Patel et al. 1996](#)). The encoded protein is localized in the cytoplasm and in areas of the cell-substratum contacts. CTTN has two roles: (1) regulating the interactions between components of adherens-type junctions and (2) organizing the cytoskeleton and cell adhesion structures of epithelia and carcinoma cells. During apoptosis, the encoded protein is degraded in a caspase-dependent manner. The aberrant regulation of CTTN contributes to tumor cell invasion and metastasis ([Chuma et al. 2004](#)). Three splice variants that encode different isoforms have been identified for CTTN (provided by RefSeq, May 2010).

Goat anti Human cortactin antibody detects a band of 80 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

##### Western Blotting

Anti cortactin detects a band of approximately 80 kDa in NIH/3T3 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 #10058 available at:  
<https://www.bio-rad-antibodies.com/SDS/VPA00511>  
Antibody (10058)

##### Regulatory

For research purposes only.

## Related Products

### Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

#### North & South America

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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://bio-rad-antibodies.com/datasheets)  
'M370827:200529'

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