

## Datasheet: VPA00430

<b>Description:</b>	RABBIT 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

**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: Rat <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>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ).
<b>Immunogen</b>	KLH conjugated synthetic peptide corresponding to amino acid 273-302 of human cortactin
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q14247</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2017</a>    CTTN    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	EMS1
<b>Specificity</b>	<b>Rabbit anti Human cortactin antibody</b> recognizes the Src substrate cortactin, also known as

amplixin, ems1 sequence (mammary tumor and squamous cell carcinoma-associated (p80/85 src substrate) or oncogene EMS1.

CTTN is overexpressed in breast cancer and squamous cell carcinomas of the head and neck ([Patel et al. 1996](#)). Cortactin 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 ([Li et al. 2001](#)). Three splice variants that encode different isoforms have been identified for CTTN (provided by RefSeq, May 2010).

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

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**Western Blotting** Anti cortactin detects a band of approximately 80 kDa in A431 cell lysates.

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**Instructions For Use** Please refer to the [PrecisionAb western blotting protocol](#).

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

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**Guarantee** As supplied, 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 #10040 available at:  
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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