

Datasheet: VPA00430

Description:	RABBIT ANTI CORTACTIN
Specificity:	CORTACTIN
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	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.

	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: 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

Rabbit polyclonal antibody purified by affinity chromatography.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃).

Immunogen

KLH conjugated synthetic peptide corresponding to amino acid 273-302 of human

cortactin

External Database**Links****UniProt:**[Q14247](#)[Related reagents](#)**Entrez Gene:**[2017](#)

CTTN

[Related reagents](#)

Synonyms

EMS1

Specificity

Rabbit anti Human cortactin antibody recognizes the Src substrate cortactin, also known as amplexin, 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.

Western Blotting

Anti cortactin detects a band of approximately 80 kDa in A431 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 #10040 available at:

Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only.

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

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M401650:220718'

Printed on 18 Jul 2022

© 2022 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)