

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 (NaN ₃).
Immunogen	KLH conjugated synthetic peptide corresponding to amino acid 273-302 of human

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: <https://www.bio-rad-antibodies.com/SDS/VPA00430>
Antibody (10040)

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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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