

Datasheet: VPA00430

BATCH NUMBER 160712

| | |
|----------------------|------------------------|
| 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 amplaxin, 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](#)

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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

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