

Product datasheet

Anti-Cortactin antibody ab11065

5 References

Overview

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<b>Product name</b>	Anti-Cortactin antibody
<b>Description</b>	Rabbit polyclonal to Cortactin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Chicken, Human
<b>Immunogen</b>	Synthetic peptide corresponding to the N-terminal region of human cortactin (amino acids 18-35) conjugated to KLH.
<b>Positive control</b>	Human epidermoid carcinoma, A431 cell line for Western blotting, the mouse fibroblasts NIH3T3 cell line for immunofluorescence.
<b>General notes</b>	If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilutions should be discarded if not used within 12 hours.

Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 15mM sodium azide. Constituents: 0.01M PBS, pH 7.4
<b>Purity</b>	IgG fraction
<b>Purification notes</b>	Whole antiserum is fractionated and then further purified by ion-exchange chromatography to provide the IgG fraction of antiserum that is essentially free of other rabbit serum proteins.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

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The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 65-75 kDa. This is determined using a rat brain cytosol extract, a whole extract of chicken embryo fibroblasts, or a whole cell extract of the human epidermoid carcinoma A431 cell line.
ICC/IF		Use at an assay dependent dilution. PubMed: 20689769
IP		Use at an assay dependent dilution. PubMed: 16971514

## Target

<b>Function</b>	Contributes to the organization of the actin cytoskeleton and cell structure. Plays a role in the regulation of cell migration. Plays a role in the invasiveness of cancer cells, and the formation of metastases.
<b>Sequence similarities</b>	Contains 7 cortactin repeats. Contains 1 SH3 domain.
<b>Domain</b>	The SH3 motif may mediate binding to the cytoskeleton.
<b>Post-translational modifications</b>	Tyrosine phosphorylation in transformed cells may contribute to cellular growth regulation and transformation.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton. Cell projection > lamellipodium. Cell projection > ruffle. Associated with membrane ruffles and lamellipodia.

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