

Product datasheet

Anti-Cortactin antibody ab11065

5 References

Overview

Product name	Anti-Cortactin antibody
Description	Rabbit polyclonal to Cortactin
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IP
Species reactivity	Reacts with: Mouse, Rat, Chicken, Human
Immunogen	Synthetic peptide corresponding to the N-terminal region of human cortactin (amino acids 18-35) conjugated to KLH.
Positive control	Human epidermoid carcinoma, A431 cell line for Western blotting, the mouse fibroblasts NIH3T3 cell line for immunofluorescence.
General notes	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

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 15mM sodium azide. Constituents: 0.01M PBS, pH 7.4
Purity	IgG fraction
Purification notes	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.
Clonality	Polyclonal
Isotype	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

Function	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.
Sequence similarities	Contains 7 cortactin repeats. Contains 1 SH3 domain.
Domain	The SH3 motif may mediate binding to the cytoskeleton.
Post-translational modifications	Tyrosine phosphorylation in transformed cells may contribute to cellular growth regulation and transformation.
Cellular localization	Cytoplasm > cytoskeleton. Cell projection > lamellipodium. Cell projection > ruffle. Associated with membrane ruffles and lamellipodia.

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