

## Cortactin monoclonal antibody

Catalog: MB67098

Host: Mouse

Reactivity: Human

### BackGround:

Cortactin is a cortical actin binding protein. Its amino-terminal acidic domain (NTA) associates with the Arp2/3 and WASP complex at F-actin branches. The central region of the protein contains six repeats of 37 amino acids that are important in F-actin binding and cross-linking. The carboxy-terminus contains a proline-rich region and an SH3 domain that can interact with numerous scaffolding proteins, such as CortBP1 and Shank3. Cortactin is involved in signaling events that coordinate actin reorganization during cell movement. The human cortactin homologue EMS1 is overexpressed in numerous cancers with poor patient prognosis. Cortactin may also play an important role in the organization of transmembrane receptors at postsynaptic densities (PSD) and tight junctions by linking scaffolding proteins to the actin network.

Cortactin is phosphorylated at tyrosine residues 421, 466, and 482. Tyrosine phosphorylation of cortactin regulates cell motility, rac1-mediated actin dynamics, cadherin-dependent adhesion, chemokine trafficking and chemokine-dependent chemotaxis.

### Product:

Mouse IgM. Supplied in crude ascites with 0.01% sodium azide.

### Molecular Weight:

~ 72 kDa

### Swiss-Prot:

Q14247

### Purification&Purity:

### Applications:

WB (1/500 - 1/4000)

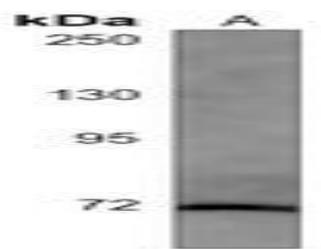
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of Cortactin protein.

### DATA:



Western blot analysis of Cortactin expression in MDAMB231 (A) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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