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**Anti-Cortactin**

Cat #: HM1095  
Mouse monoclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Cortactin (also designated Ems-1) is a filamentous actin (F-actin) binding protein that is present in 80 and 85 kDa forms. It regulates the interactions between components of adherens-type junctions and organizing the cytoskeleton and cell adhesion structures of epithelia cells. Cortactin contains tandem 37 amino acid repeats at the amino terminus and an SH3 domain at the carboxy terminus. The tandem repeats appear to be necessary for F-actin binding. Tyrosine phosphorylation of cortactin by Src p60 results in diminished F-actin binding to cortactin. During apoptosis, cortactin is degraded in a caspase-dependent manner. The aberrant regulation of this gene contributes to tumor cell invasion and metastasis.

**SPECIFICITY**

This antibody specifically recognizes cortactin of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry.

**IMMUNOGEN**

A recombinant protein corresponding to the carboxy terminus of human cortactin.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

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