

**Antibody to Cortactin (4F11)**  
MOUSE MONOCLONAL

**Catalog Number:** AB-V60  
**Quantity:** 100 micrograms  
**Format:** PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.  
**Host:** Mouse  
**Isotype:** IgG1  
**Clone:** 4F11  
**Immunogen:** Tyrosine phosphoproteins purified from chick embryo fibroblasts expressing activated pp60src

**Background:** Cortactin (CTTN) is a monomeric cytoplasmic protein that plays a key role in organizing the actin cytoskeleton and maintaining cell shape. It promotes the formation of lamellipodia and invadopodia, facilitates cell migration, and participates in endocytosis. Overexpression of cortactin has been reported in breast cancer and in squamous cell carcinomas of the head and neck.

**Specificity & Preparation:** This mouse IgG1 monoclonal antibody is generated against a mixture of affinity-purified tyrosine phosphoproteins from chick embryo fibroblasts expressing activated pp60src, and recognizes Cortactin. It recognizes 80 kDa and 85 kDa Cortactin in avian cells, and also recognizes 80 kDa protein in rodent and human cells.

**Usage:** Applications include immunocytochemistry, immunohistochemistry, immunoprecipitation, and western blot. Working dilutions must be determined by end user.

**Storage:** Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

**Selected References:**

1. Kanner SB, Reynolds AB, Vines RR, Parsons JT (1990) Monoclonal antibodies to individual tyrosine-phosphorylated protein substrates of oncogene-encoded tyrosine kinases. Proc Natl Acad Sci U S A 87(9):3328-3332. doi: 10.1073/pnas.87.9.3328 PMID: 2110361

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