

Cortactin

Cat.No. 313 011; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: not recommended IHC: not recommended IHC-P/FFPE: not tested yet ELISA: yes
Clone	10C6
Subtype	IgG2a (κ light chain)
Immunogen	Recombinant protein corresponding to AA 1 to 513 from human Cortactin (UniProt Id: Q14247)
Epitop	Epitop: AA 1 to 146 from human Cortactin (UniProt Id: Q14247)
Reactivity	Reacts with: human (Q14247), rat (Q66HL2), mouse (Q60598), pig. Other species not tested yet.
Specificity	Specific for cortactin.

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Cortactin is a cortical actin binding protein and the major substrate for the tyrosine kinase v-Src. The interaction of its N-terminal acidic domain (NTA) with the actin nucleation factor Arp 2/3 links cytoskeletal organization with signal transduction. The carboxy terminus comprises a proline rich region and an SH3 domain that can interact with several scaffolding proteins like CortBP1 and Shank 3. In neurons cortactin is concentrated in dendritic spines and involved in spine targeting.

Selected References SYSY Antibodies

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