

Cortactin

Cat.No. 313 111; 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: not recommended IP: not tested yet ICC: yes (see remarks) IHC: not tested yet IHC-P/FFPE: not tested yet ELISA: yes
Clone	289H10
Subtype	IgG1 (κ light chain)
Immunogen	Recombinant protein corresponding to AA 1 to 513 from human Cortactin (UniProt Id: Q14247)
Epitop	Epitop: AA 147 to 509 from human Cortactin (UniProt Id: Q14247)
Reactivity	Reacts with: human (Q14247), mouse (Q60598). Other species not tested yet.
Specificity	Specific for cortactin.
Remarks	ICC: ICC: Works on PFA and methanol fixed cells, but methanol fixation produces less background.

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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