

# Cortactin Conjugated Antibody

Catalog No: #C49005

Package Size: #C49005-Biotin 100ul #C49005-AF350 100ul #C49005-AF405 100ul #C49005-AF488 100ul #C49005-AF555 100ul  
Orders: order@signalwayantibody.com#C49005-AF594 100ul #C49005-AF647 100ul #C49005-AF680 100ul #C49005-AF750 100ul #C49005-Conjugated 50ul  
Support: tech@signalwayantibody.com

## Description

Product Name	Cortactin Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Applications	WB, IF, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	AF0• §ε η'
Other Names	Amplaxin antibody CTTN antibody EMS 1 antibody EMS1 antibody FLJ34459 antibody Mammary tumor and squamous cell carcinoma associated antibody Oncogene EMS1 antibody p80/85 src substrate antibody Src substrate cortactin antibody SRC8_HUMAN antibody
Accession No.	Swiss-Prot#:Q14247
Calculated MW	75 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

WB: 1:50-1:200

IF:1:50-1:200

FC: 1:50-1:200

## Background

Cortactin (also designated Ems-1) is a filamentous Actin (F-Actin) binding protein that has been shown to be a substrate for Src p60. 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 and reduced F-Actin cross-linking activity. Cortactin has also been shown to be phosphorylated in response to FGF-1. Cortactin exhibits abundant expression in megakaryocytes and platelets, and it may play a role in the maturation of megakaryocytes.

## Published Papers

Mi Yuan, Mao Junjie, Li Xuzhe, Wang Zilin, Zuo Xin, Chang Zihan, Wang Ruibo, Wang Lantao, Wang Lei et al., AURKA modulates tight junction functionality to influence the proliferation and metastasis of lung adenocarcinoma, Molecular and cellular biochemistry, (2025)

PMID:41201786

---

Note: This product is for in vitro research use only and is not intended for use in humans or animals.