

## Cortactin Rabbit mAb

Catalog No: #49005

Package Size: #49005-1 50ul #49005-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

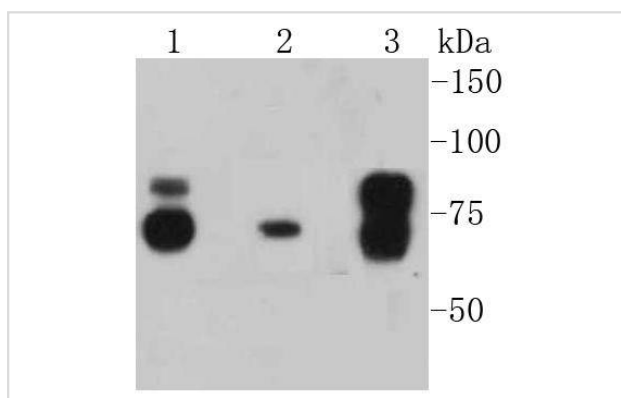
## Description

Product Name	Cortactin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC61-08
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
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
Uniprot	Q14247
GeneID	2017;
Calculated MW	75 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

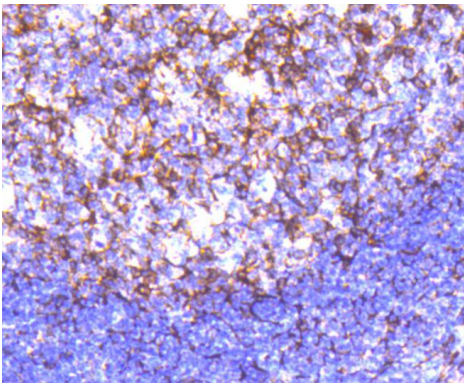
## Application Details

WB: 1:1,000-5,000 IHC: 1:50-1:200 ICC: 1:100-1:500 FC: 1:50-1:100

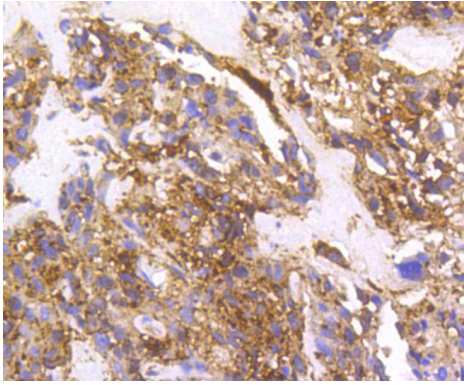
## Images



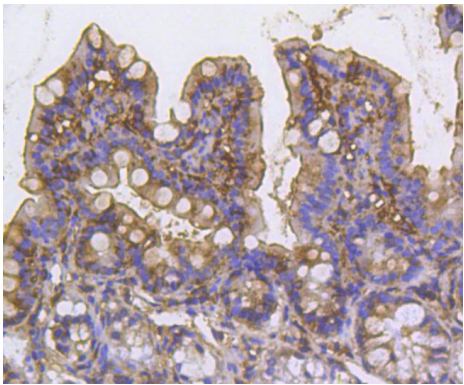
Western blot analysis of Cortactin on different lysates using anti-Cortactin antibody at 1/1,000 dilution. Positive control:  
Lane 1: Hela Lane 2: NIH/3T3 Lane 3: A431



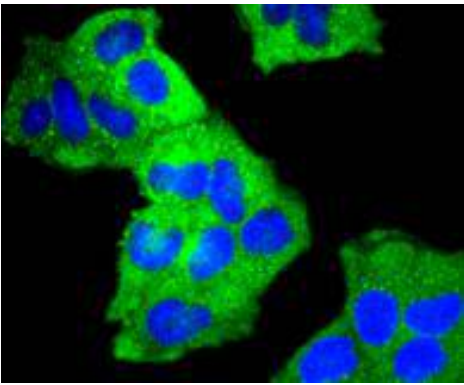
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Cortactin antibody. Counter stained with hematoxylin.



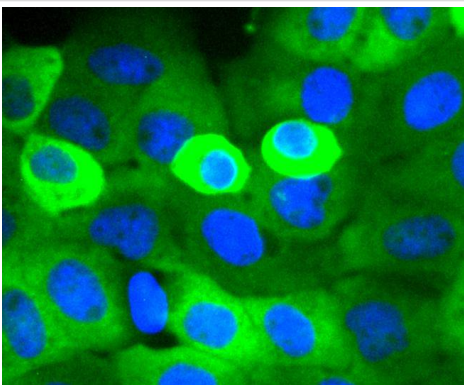
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Cortactin antibody. Counter stained with hematoxylin.



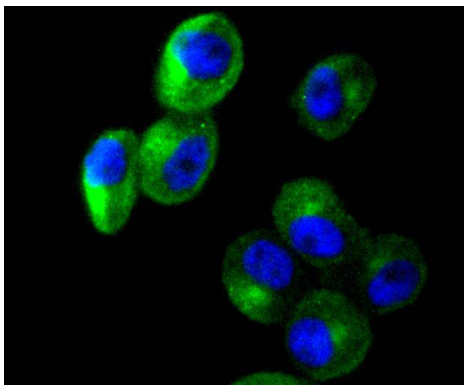
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-Cortactin antibody. Counter stained with hematoxylin.



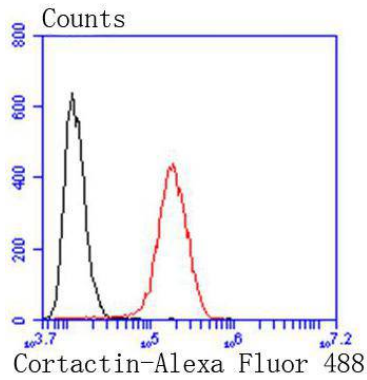
ICC staining Cortactin in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cortactin in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cortactin in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with Cortactin antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

## 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.

## References

Note: This product is for in vitro research use only