

Cortactin Rabbit mAb

Catalog No.: A9518

Recombinant

2 Publications

Basic Information

Observed MW

80-85 kDa

Calculated MW

62 kDa

Category

Monoclonal Antibodies

Applications

WB, IP, IF/ICC, IF-P, IHC-P, ELISA

Cross Reactivity

Human, Mouse, Rat

Clone No.

ARC1613

Background

This gene is overexpressed in breast cancer and squamous cell carcinomas of the head and neck. The encoded protein is localized in the cytoplasm and in areas of the cell-substratum contacts. This gene has two roles: (1) regulating the interactions between components of adherens-type junctions and (2) organizing the cytoskeleton and cell adhesion structures of epithelia and carcinoma cells. During apoptosis, the encoded protein is degraded in a caspase-dependent manner. The aberrant regulation of this gene contributes to tumor cell invasion and metastasis. Three splice variants that encode different isoforms have been identified for this gene.

Recommended Dilutions

WB 1:1000 - 1:6000**IP**

0.5µg-4µg antibody for 400µg-600µg extracts of whole cells

IF/ICC 1:100 - 1:400**IF-P** 1:200 - 1:800**IHC-P** 1:200 - 1:800**ELISA**

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

2017

Swiss-Prot

Q14247

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

EMS1; Cortactin

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

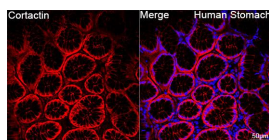
Purity

Affinity purification

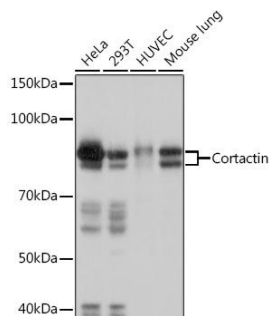
Storage

Store at -20°C

Validation Data



Confocal imaging of paraffin-embedded Human stomach tissue using Cortactin Rabbit mAb (A9518, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Western blot analysis of various lysates using Cortactin Rabbit mAb (A9518) at 1:1000 dilution.

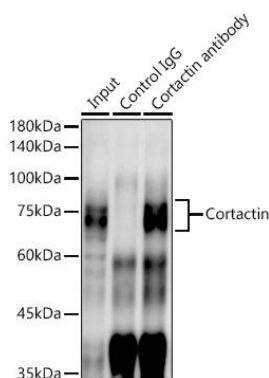
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

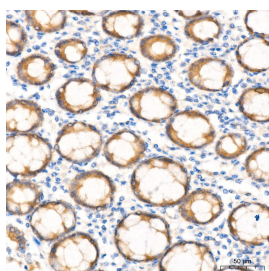
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

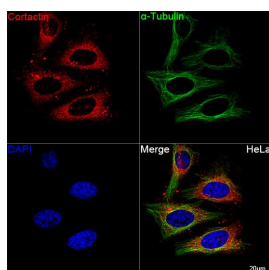
Exposure time: 3s.



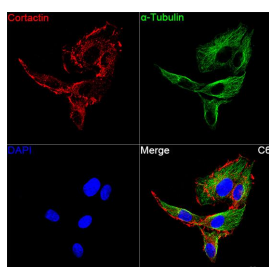
Immunoprecipitation analysis of 600 µg extracts of Mouse lung cells using 3 µg Cortactin antibody (A9518). Western blot was performed from the immunoprecipitate using Cortactin antibody (A9518) at a dilution of 1:1000.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Cortactin Rabbit mAb (A9518) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of HeLa cells using Cortactin Rabbit mAb (A9518, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of C6 cells using Cortactin Rabbit mAb (A9518, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.