

For Research Use Only

# CoraLite® Plus 647-conjugated Cortactin Polyclonal antibody



Catalog Number: CL647-11381

## Basic Information

Catalog Number:

CL647-11381

Size:

1000 µg/mL

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1940

GenBank Accession Number:

BC008799

GeneID (NCBI):

2017

UNIPROT ID:

Q14247

Full Name:

cortactin

Calculated MW:

57 kDa

Observed MW:

80 kDa, 85 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima  
wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

## Background Information

Cortactin, encoded by CTTN gene (formerly EMS1), was originally identified as a substrate of the Src kinase. It is a cytoskeletal protein that interacts with F-actin and Arp2/3 complex and plays an important role in regulation of actin assembly and cytoskeleton dynamics. Overexpression of cortactin increases cell migration, and is thought to contribute to the invasive phenotype of breast cancer and several other tumors. Three isoforms of cortactin exist due to the alternative splicing. Although cortactin has a predicted molecular weight around 65 kDa, it was detected as 80/85 doublet or as multiple bands between 75 and 85 kDa on SDS-PAGE (PMID: 18607838, 19089942).

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

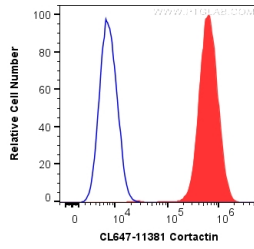
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Coralite® Plus 647 Anti-Human Cortactin (CL647-11381) (red), or 0.2 ug isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).