

For Research Use Only

Cortactin Recombinant antibody

Catalog Number: 84569-1-RR



Basic Information

Catalog Number:

84569-1-RR

Concentration:

1000 μ g/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:

70-85 kDa

Purification Method:

Protein A purification

CloneNo.:

241987A12

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HUVEC cells

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

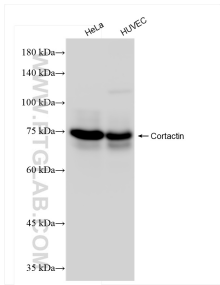
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E: Proteintech-CN@ptglab.com

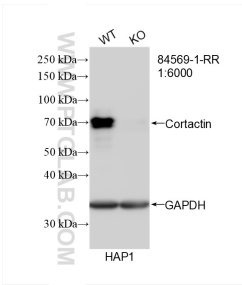
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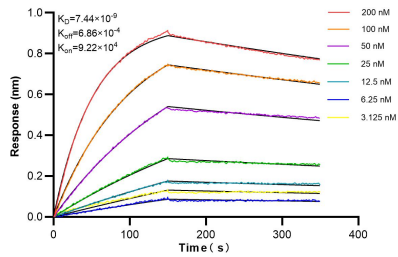
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84569-1-RR (Cortactin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of Cortactin antibody (84569-1-RR; 1:6000; room temperature for 1.5 hours) with wild-type and Cortactin knockout HAP1 cells.



Biolayer interferometry (BLI) kinetic assays of 84569-1-RR against Human Cortactin were performed. The affinity constant is 7.44 nM.