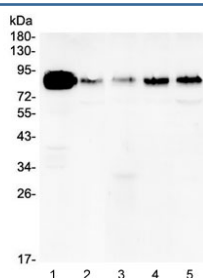


Cortactin Antibody (RQ4531)

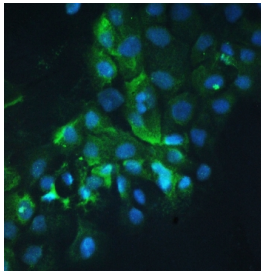
Catalog No.	Formulation	Size
RQ4531	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

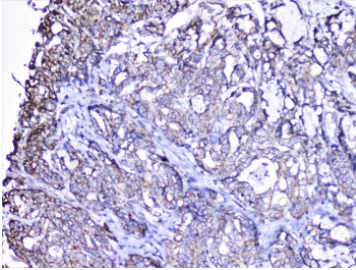
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q14247
Localization	Cytoplasm, plasma membrane
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml IF/ICC (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/10 ⁶ cells
Limitations	This Cortactin antibody is available for research use only.



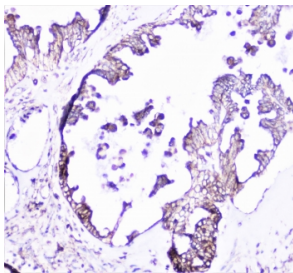
Western blot testing of human 1) A431, 2) U-87 MG, 3) A549, 4) PC-3 and 5) HeLa lysate with Cortactin antibody at 0.5ug/ml. Predicted molecular weight ~61 kDa but routinely observed at ~80 kDa.



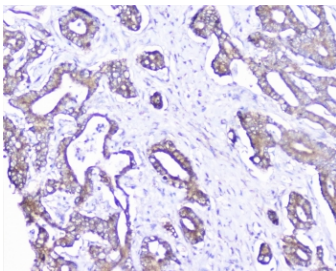
IF/ICC staining of FFPE human A431 cells with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



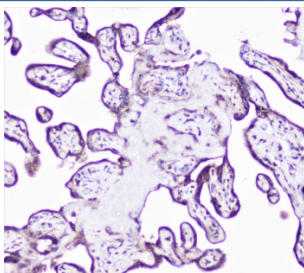
IHC staining of FFPE human gastric carcinoma with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



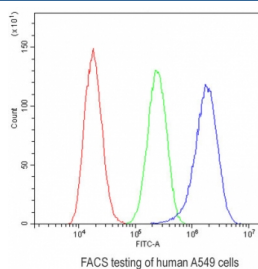
IHC staining of FFPE human ovarian carcinoma with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



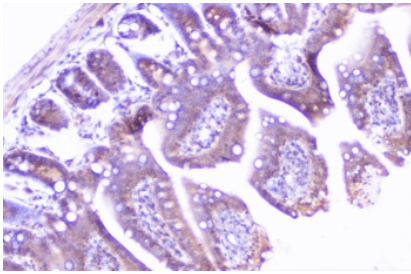
IHC staining of FFPE human cholangiocarcinoma carcinoma with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



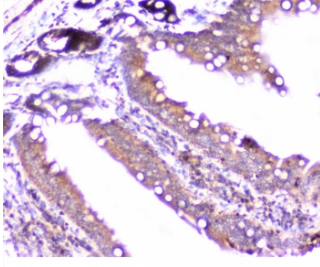
IHC staining of FFPE human placenta with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



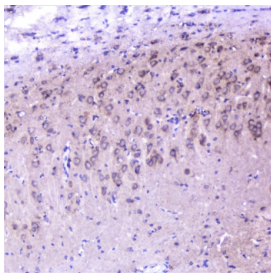
Flow cytometry testing of human A549 cells with Cortactin antibody at 1ug/10⁶ cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Cortactin antibody.



IHC staining of FFPE mouse intestine with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE rat intestine with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE rat brain with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

Description

Cortactin, mapped to 11q13.3, is a multidomain protein. 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Cortactin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 1-105 from the human protein were used as the immunogen for this Cortactin antibody.

Storage

After reconstitution, the Cortactin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

