

# Cortactin Antibody

Catalog No: tcna10598



## Available Sizes

---

**Size:** 100ug



## Specifications

---

**Application:**

WB, IHC-P, IF/ICC, FACS

**Species Reactivity:**

Human, Mouse, Rat

**Host Species:**

Rabbit

**Immunogen / Amino acids:**

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

**Clonality:**

Polyclonal (rabbit origin)

**Isotype:**

Rabbit IgG

**Storage Buffer:**

0.5mg/ml if reconstituted with 0.2ml sterile DI water

**Recommended Dilution:**

Western blot: 0.5-1ug/ml

IHC (FFPE): 1-2ug/ml

IF/ICC (FFPE): 1-2ug/ml

FACS: 1-3ug/10<sup>6</sup> cells

**Storage Instruction:**

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.

**SwissProt:**

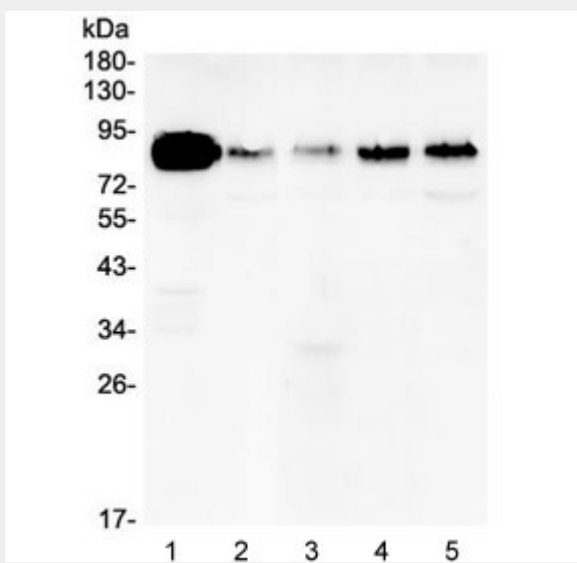
Q14247

**References**

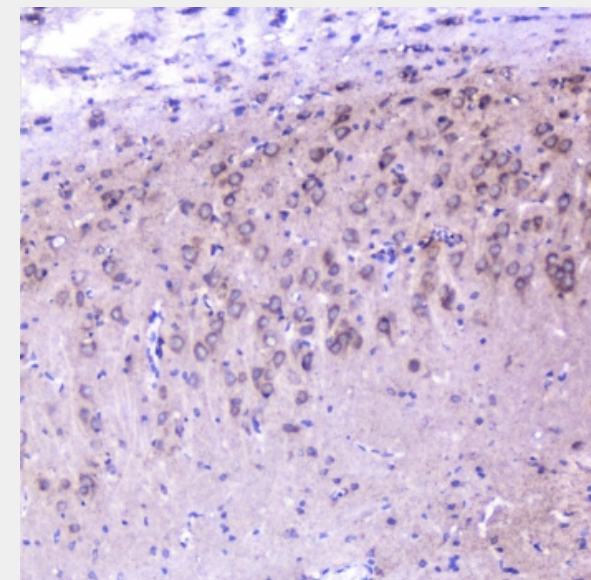
Antigen affinity

**Product Description**

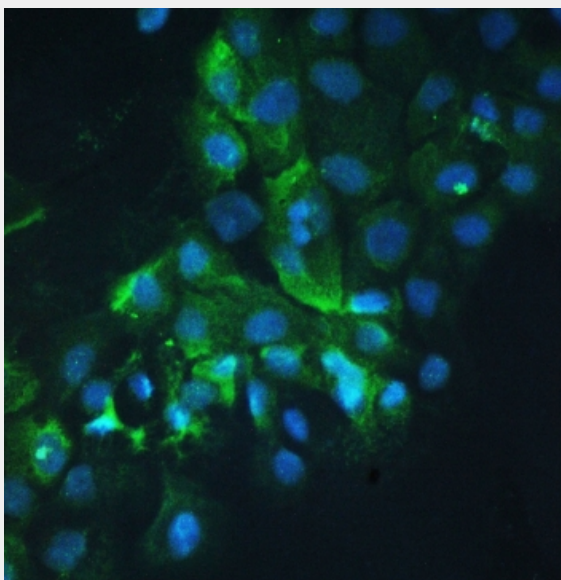
Cortactin, mapped to 11q13.3, is a multidomain protein. This gene is overexpressed in breast cancer and squamous cell carcinomas of the head and neck. The encoded protein is localized in the cytoplasm and in areas of the cell-substratum contacts. This gene has two roles: (1) regulating the interactions 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.



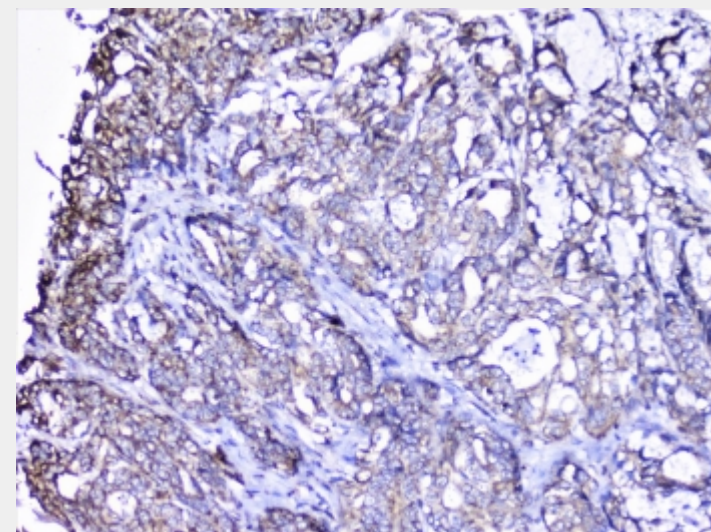
Western blot testing of human 1) A431, 2) U-87 MG, 3) A549, 4) PC-3 and 5) HeLa lysate with Cortactin antibody at 0.5ug/ml. Predicted molecular weight ~61 kDa but routinely observed at ~80 kDa.



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.

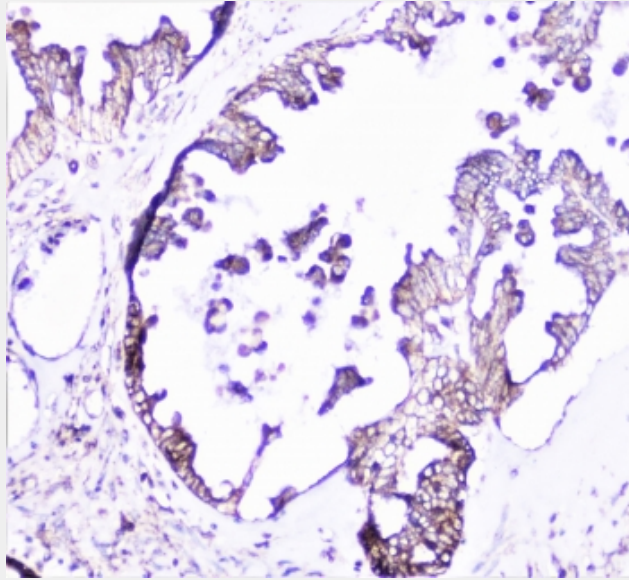


IF/ICC staining of FFPE human A431 cells with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

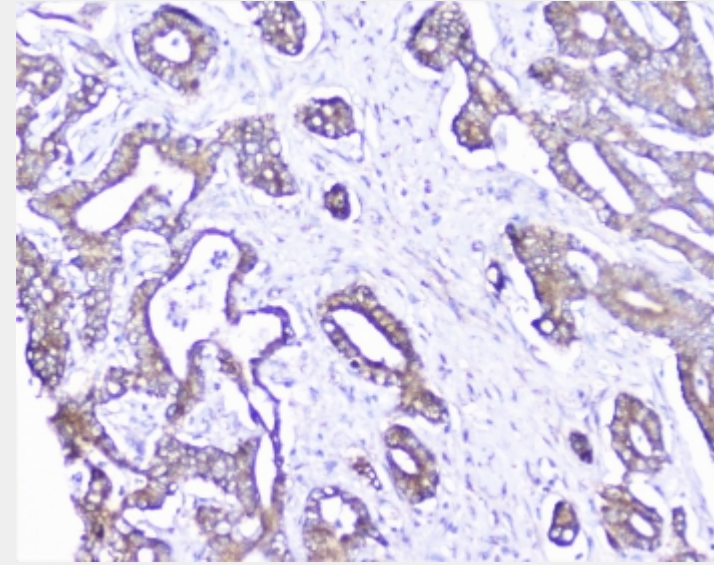


IHC staining of FFPE human gastric carcinoma with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

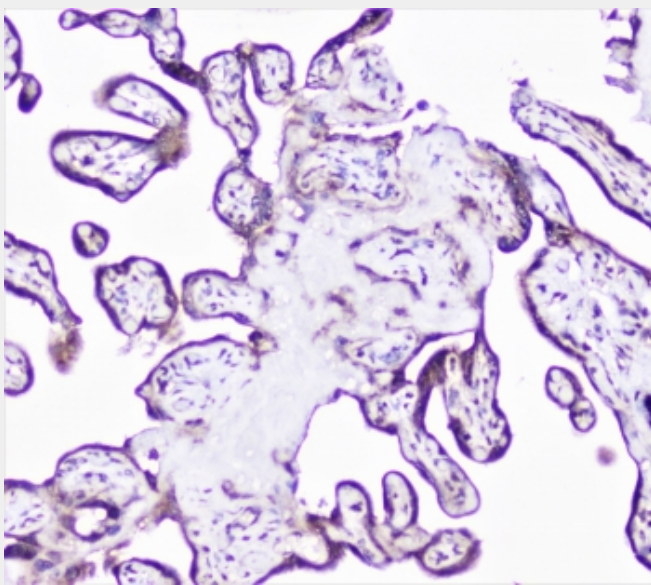




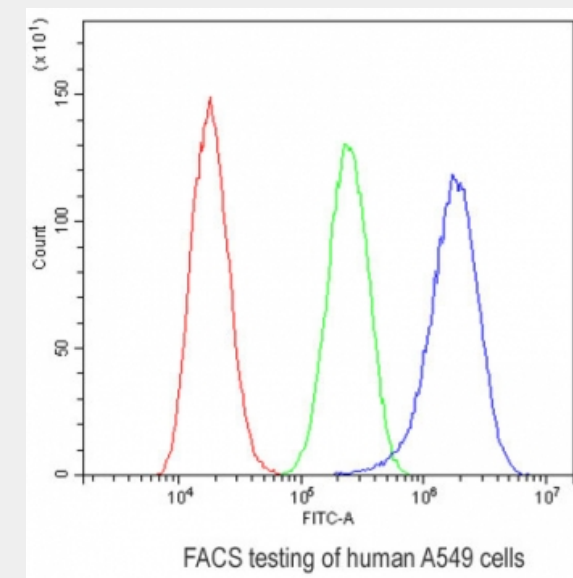
IHC staining of FFPE human ovarian carcinoma with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



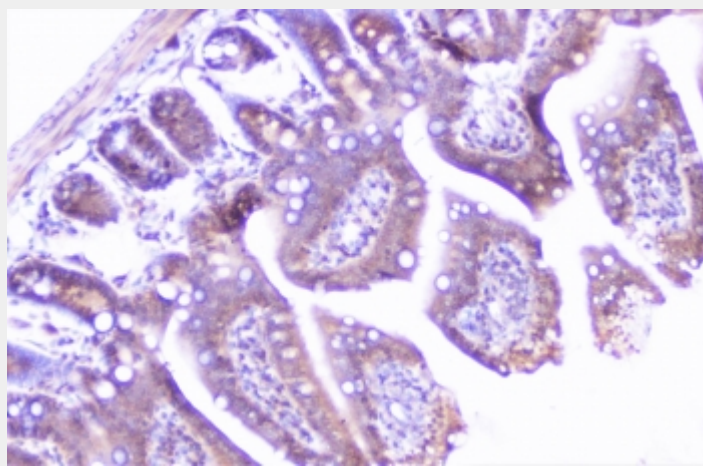
IHC staining of FFPE human cholangiocarcinoma carcinoma with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



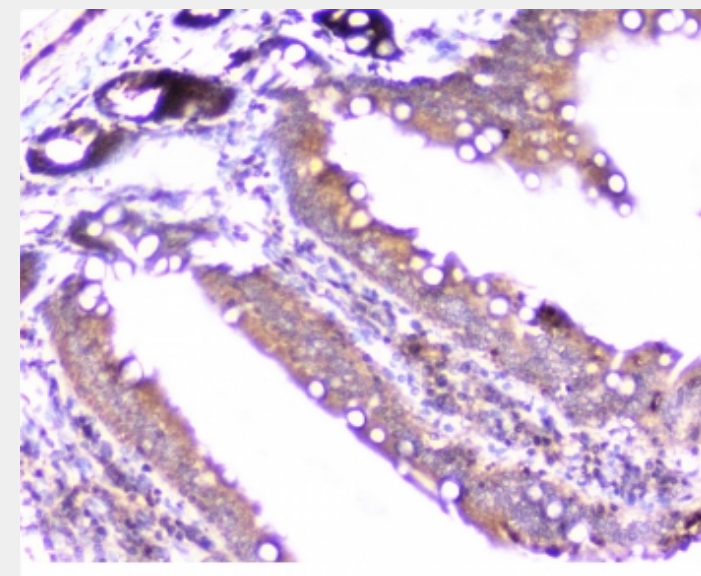
IHC staining of FFPE human placenta with Cortactin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Flow cytometry testing of human A549 cells with Cortactin antibody at 1ug/10<sup>6</sup> 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.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!