

## 35-1596: Polyclonal Antibody to Cortactin (Ab-421)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human,Mouse
<b>Gene :</b>	CTTN
<b>Gene ID :</b>	2017
<b>Uniprot ID :</b>	Q14247
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Amplaxin, CTTN, EMS1, SRC8
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.419~423 (P-I-Y-E-D) derived from Human CORTACTIN.

### Description

Cortactin 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. Two splice variants that encode different isoforms have been identified for this gene.

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 85kd, Immunohistochemistry: 1:50~1:100

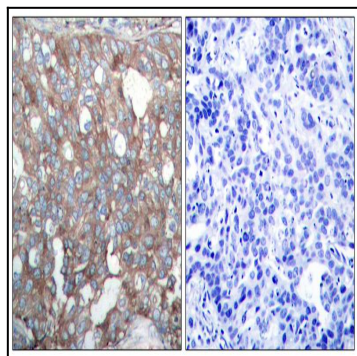


Figure 1: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Cortactin(Ab-421) Antibody 35-1596 (left) or the same antibody preincubated with blocking peptide(right).