

35-1597: Polyclonal Antibody to Cortactin (Ab-466)

Clonality :	Polyclonal
Application :	WB,IHC
Reactivity :	Human,Mouse
Gene :	CTTN
Gene ID :	2017
Uniprot ID :	Q14247
Format :	Purified
Alternative Name :	Amplaxin, CTTN, EMS1, SRC8
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.464~468 (P-V-Y-E-T) 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. Luo C, et al. (2006) J Biol Chem ; 281(40):30081-30093 Head JA, et al. (2003) Mol Biol Cell ;14(8):3216-3229 Li Y, et al. (2000) J Biol Chem ; 275(47): 37187-37193 Kinley AW, et al. (2003) Curr Biol ; 13(5): 384-393

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	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, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

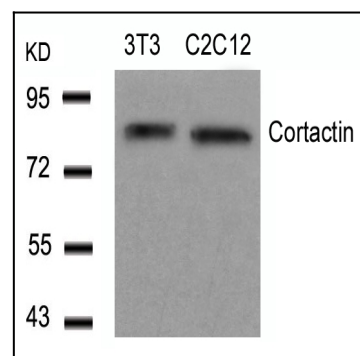


Figure 1: Western blot analysis of extracts from 3T3 and C2C12 cells using Cortactin(Ab-466) Antibody 35-1597 .

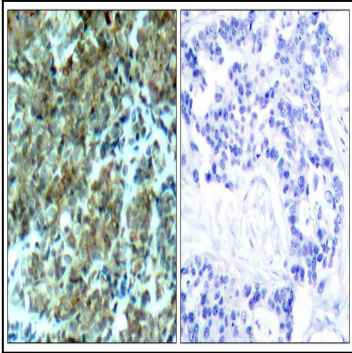


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Cortactin(Ab-466) Antibody 35-1597 (left) or the same antibody preincubated with blocking peptide(right).