Product Datasheet

Cortactin(Ab-421) Antibody

Catalog No: #21263

Package Size: #21263-1 50ul #21263-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

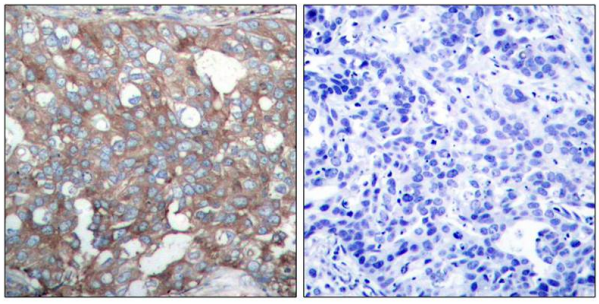
Product Name	Cortactin(Ab-421) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total Cortactin protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.419~423 (P-I-Y-E-D) derived from Human CORTACTIN.
Target Name	Cortactin
Other Names	Amplaxin; CTTN; EMS1; SRC8;
Accession No.	Swiss-Prot: Q14247NCBI Protein: NP_005222.2
Uniprot	Q14247
GeneID	2017;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 85kd

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Cortactin(Ab-421) Antibody #21263(left) or the same antibody preincubated with blocking peptide(right).

Background

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

Salomon AR, et al. (2003) PNAS ; 100(2): 443-448

Huang C, et al. (1998) J Biol Chem ; 273(40): 25770-25776.

Note: This product is for in vitro research use only