Cortactin(Ab-466) Antibody

Catalog No: #21264

Package Size: #21264-1 50ul #21264-2 100ul #21264-4 25ul

Overview

Product Name	Cortactin(Ab-466) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Mouse
Immunogen Type	Peptide-KLH
Target Name	Cortactin
Alternative Names	Amplaxin; CTTN; EMS1; SRC8;

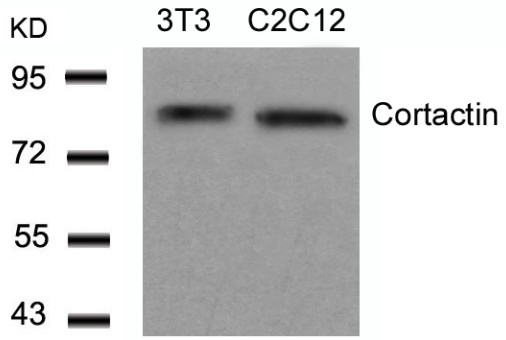
Application Details

Predicted MW: 85kd

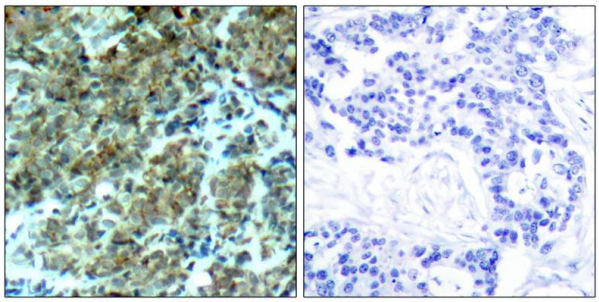
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 3T3 and C2C12 cells using Cortactin(Ab-466) Antibody #21264.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Cortactin(Ab-466) Antibody #21264(left) or the same antibody preincubated with blocking peptide(right).

Descriptions

Immunogen	Peptide sequence around aa.464~468 (P-V-Y-E-T) derived from Human CORTACTIN.
Specificity	The antibody detects endogenous level of total Cortactin protein.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
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.
Accession NO.	Swiss-Prot: Q14247NCBI Protein: NP_005222.2

Related Information

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

Published Papers

Nobuo Terada, Nobuhiko Ohno, Sei Saitoh el at., Involvement of dynamin-2 in formation of discoid vesicles in urinary bladder umbrella cells., Cell Tissue Res., 337(1):91B¨C102(2009)
PMID:19479281

Note: This product is for in vitro research use only and is not intended for use in humans or animals.