



Rabbit Anti-phospho-Cortactin (Tyr421) antibody

SL14000R

Product Name:	phospho-Cortactin (Tyr421)
Chinese Name:	磷酸化皮层肌动蛋白抗体
Alias:	Cortactin (phospho Y421); p-Cortactin (phospho Y421); Amplaxin; CTTN; EMS 1; EMS1; FLJ34459; Mammary tumor and squamous cell carcinoma associated; Oncogene EMS1; p80/85 src substrate; Src substrate cortactin; SRC8_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	62kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human Cortactin around the phosphorylation site of Tyr421:PV(p-Y)ED
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. [provided by RefSeq, May 2010]

Function:

Contributes to the organization of the actin cytoskeleton and cell structure. Plays a role in the regulation of cell migration. Plays a role in the invasiveness of cancer cells, and the formation of metastases.

Subcellular Location:

Cytoplasm > cytoskeleton. Cell projection > lamellipodium. Cell projection > ruffle. Associated with membrane ruffles and lamellipodia.

Post-translational modifications:

Tyrosine phosphorylation in transformed cells may contribute to cellular growth regulation and transformation.

Similarity:

Contains 7 cortactin repeats.
Contains 1 SH3 domain.

SWISS:

Q14247

Gene ID:

2017

Database links:

[Entrez Gene: 2017](#) Human

[Entrez Gene: 13043](#) Mouse

[Entrez Gene: 60465](#) Rat

[GenBank: NM_138565](#) Human

[GenBank: NM_007803](#) Mouse

[Omim: 164765](#) Human

[SwissProt: Q14247](#) Human

[SwissProt: Q60598](#) Mouse

[Unigene: 596164](#) Human

[Unigene: 205601](#) Mouse

[Unigene: 107869](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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