SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-phospho-Cortactin (Tyr421)antibody

Catalog Number: SL14000R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	phospho-Cortactin (Tyr421)
Immunogen:	KLH conjugated Synthesised phosphopeptide derived from human Cortactin around the phosphorylation site of Tyr421: PV(p-Y)ED
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ICC/IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Cow,Horse,Rabbit)
Predicted MW.:	62kDa
Subcellular Location:	cytoplasmic
Background:	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 >

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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	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. **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

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