



Cortactin (phospho Tyr421) Polyclonal Antibody

Catalog No	BYab-03511
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CTTN
Protein Name	Src substrate cortactin
Immunogen	The antiserum was produced against synthesized peptide derived from human Cortactin around the phosphorylation site of Tyr421. AA range:388-437
Specificity	Phospho-Cortactin (Y421) Polyclonal Antibody detects endogenous levels of Cortactin protein only when phosphorylated at Y421.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000 IF 1:50-200
Concentration	1 mg/ml
D ''	2000
Purity	≥90%
Storage Stability	≥90% -20°C/1 year
Storage Stability	-20°C/1 year
Storage Stability Synonyms	-20°C/1 year CTTN; EMS1; Src substrate cortactin; Amplaxin; Oncogene EMS1 80kD Cytoplasm, cytoskeleton . Cell projection, lamellipodium . Cell projection, ruffle. Cell projection, dendrite . Cell projection . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection, podosome . Cell junction . Cell
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Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658



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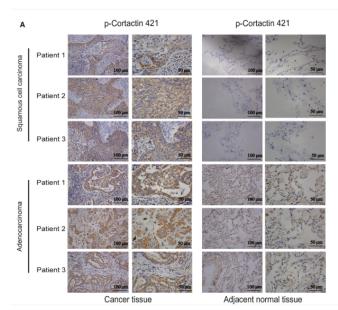


	transformation.,online information:Cortactin entry,similarity:Contains 1 SH3 domain.,similarity:Contains 7 cortactin repeats.,subcellular location:Associated with membrane ruffles and lamellipodia.,subunit:Interacts with SHANK2 and SHANK3 via its SH2 domain. Also interacts with FGD1 (By similarity). Interacts with PLXDC2.,
Background	cortactin(CTTN) Homo sapiens 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

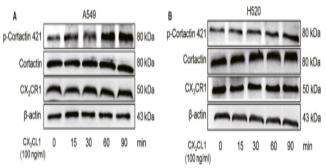




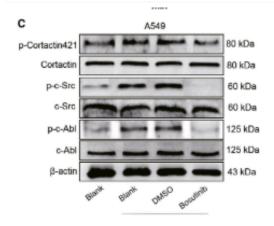
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Fan, Mengtian, et al. "CX3CL1 promotes tumour cell by inducing tyrosine phosphorylation of cortactin in lung cancer." Journal of Cellular and Molecular Medicine 25.1 (2021): 132-146.



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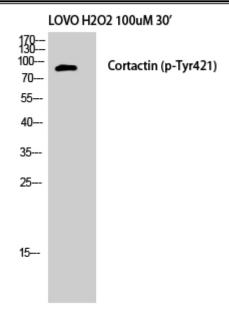


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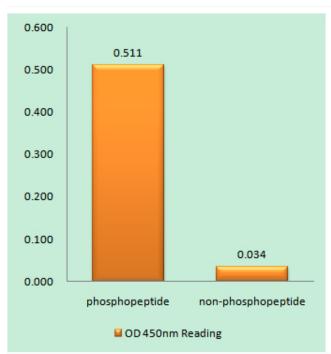
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Western Blot analysis of LOVO+H2O2 cells using Phospho-Cortactin (Y421) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Cortactin (Phospho-Tyr421) Antibody