ELK Biotechnology

Cortactin (Acetyl Lys235) rabbit pAb

Cat No.:ES1132

For research use only

Overview

Product Name	Cortactin (Acetyl Lys235) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	Synthesized acetyl-peptide derived from the Internal region of human Cortactin around the acetylation site of K235.
Specificity	Acetyl-Cortactin (K235) Polyclonal Antibody detects endogenous levels of Cortactin protein only when acetylation at K235.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Src substrate cortactin
Gene Name	CTTN
Cellular localization	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 junction, f
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	62kD
Human Gene ID	2017
Human Swiss-Prot Number	Q14247
Alternative Names	CTTN; EMS1; Src substrate cortactin; Amplaxin; Oncogene EMS1

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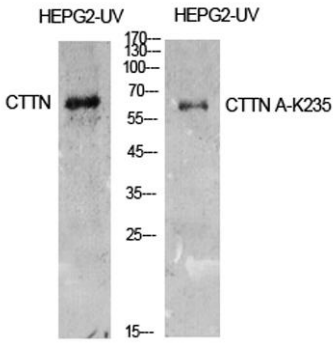
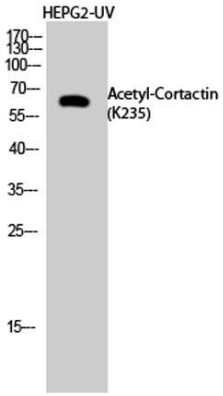
Background

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],



Western Blot analysis of HepG2-UV cells using Acetyl-Cortactin (K235) Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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