

Cortactin(Phospho-Tyr466) Antibody

Catalog No: #11272



Package Size: #11272-1 50ul #11272-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

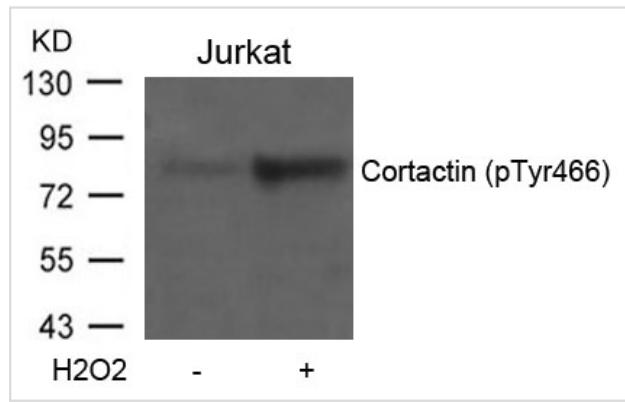
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|-----------------------|--|
| Product Name | Cortactin(Phospho-Tyr466) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | WB |
| Species Reactivity | Human;Mouse |
| Specificity | The antibody detects endogenous level of Cortactin only when phosphorylated at tyrosine 466. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 466 (P-V-Y(p)-E-T) derived from Human CORTACTIN. |
| Conjugates | Unconjugated |
| Target Name | Cortactin |
| Modification | Phospho |
| Other Names | Amplaxin; CTTN; EMS1; SRC8; |
| Accession No. | Swiss-Prot: Q14247NCBI Protein: NP_005222.2 |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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. |

Application Details

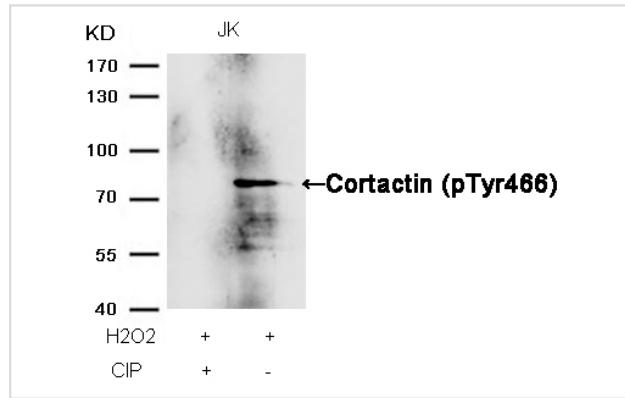
Predicted MW: 85kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Jurkat cells untreated or treated with H2O2 using Cortactin(Phospho-Tyr466) Antibody #11272.



Western blot analysis of extracts from JK cells, treated with H2O2 or calf intestinal phosphatase (CIP), using Cortactin (Phospho-Tyr466) Antibody #11272.

Background

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

el at., Laminin-111 peptide C16 regulates invadopodia activity of malignant cells through ϵ° Y1 integrin, Src and ERK 1/2. In Oncotarget on 2016 Jul 26 by Adriane S Siqueira, Monique P Pinto,et al.. PMID:27323814, , (2016)

PMID:27323814

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