ARG63159
anti-Cortactin / EMS1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Cortactin / EMS1
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Dog
Tested Application	WB
Specificity	This antibody is expected to recognize both reported isoforms (NP_005222.2; NP_612632.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Cortactin / EMS1
Species	Human
Immunogen	WKASAGHAVSIA-C
Conjugation	Un-conjugated
Alternate Names	EMS1; Amplaxin; Src substrate cortactin; Oncogene EMS1

Application Instructions

Application table

Application	Dilution
WB	0.01 - 0.03 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

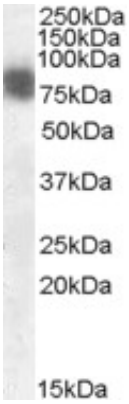
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

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]
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	62 kDa
PTM	Phosphorylated by PKN2 at both serine and threonine residues in a GTP-bound Rac1-dependent manner in hyaluronan-induced astrocytes and hence down-regulated CTTN ability to associates with filamentous actin (By similarity). Phosphorylated on tyrosine residues in response to CHRM1 activation (By similarity). Phosphorylated by PTK2/FAK1 in response to cell adhesion (By similarity). Phosphorylated by FER. Tyrosine phosphorylation in transformed cells may contribute to cellular growth regulation and transformation. Phosphorylated in response to FGR activation. Phosphorylation by SRC promotes MYLK binding.

Images



ARG63159 anti-Cortactin / EMS1 antibody WB image

Western Blot: Mouse Brain lysate (35 µg protein in RIPA buffer) stained with ARG63159 anti-Cortactin / EMS1 antibody at 0.01 µg/ml dilution.

ARG63159 anti-Cortactin / EMS1 antibody WB image

Western blot: 35 µg of Human brain (cerebellum) lysate (in RIPA buffer) stained with ARG63159 anti-Cortactin / EMS1 antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.

ARG63159 anti-Cortactin / EMS1 antibody WB image

Western blot: 35 µg of HEK293 cell lysate (in RIPA buffer) stained with ARG63159 anti-Cortactin / EMS1 antibody at 0.03 µg/ml dilution and incubated at RT for 1 hour.