

DESCRIPTION

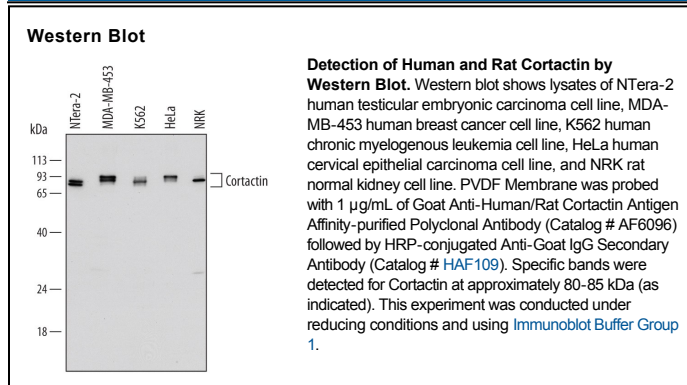
Species Reactivity	Human/Rat
Specificity	Detects human and rat Cortactin in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Cortactin Met1-Gly85 Accession # Q14247
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Cortactin (also EMS1 and Amplixin) is an 80-85 kDa multidomain scaffold-associated protein. It is an actin-binding cytoplasmic protein found at intercellular junctions and near lamellipodia. It is also found in tumor invadopodia, a somewhat analogous structure to lamellipodia. Here, Cortactin appears to coordinate actin assembly with MMP secretion, thus facilitating tumor invasiveness. Human Cortactin is 550 amino acids (aa) in length and contains six-plus Cortactin regions (aa 80-324) that regulate actin polymerization, and one SH3 domain (aa 496-548) that binds to N-WASP. Cortactin is highly phosphorylated on Tyr and Ser/Thr, and undergoes acetylation.