

phospho-Cofilin 1 (Ser-3) Peptide

phospho-Cofilin 1 (Ser-3) Blocking Peptide

CATALOG #
AAA71541

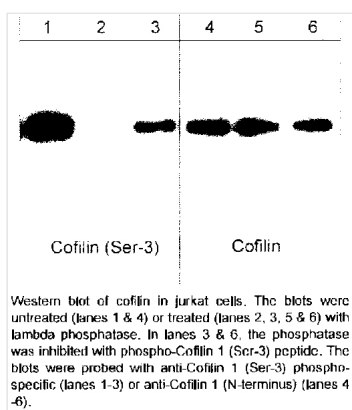
PRODUCT SYNONYMS

phospho-Cofilin 1 (Ser-3) Peptide; phospho-Cofilin 1 (Ser-3) Blocking Peptide; phospho-Cofilin 1 (Ser-3) Peptide peptide

PRODUCT SPECIFICATIONS

Specificity	The peptide is specifically recognized by Cofilin 1 (Ser-3) phospho-specific antibody (CP1151) in ELISA, and has been shown to block the reactivity of CP1151 during Western blot. In addition, the peptide is recommended for use in blocking CP1151 reactivity in immunocytochemistry.
Form/Format	Blocking Peptide is supplied in 50ul phosphate-buffered saline and 0.05% sodium azide.
Sequence	Peptide Sequence: Phospho-Cofilin 1 (Ser-3) synthetic peptide corresponding to amino acids residues 1-30 of human Cofilin 1. This peptide sequence has 100% homology with the similar region of rat Cofilin 1, and the two amino acid differences from human Cofilin 2.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for phospho-Cofilin 1 (Ser-3) Peptide peptide	Members of the ADF/cofilin (AC) family are actin-severing proteins that regulate actin remodeling during cellular events such as cell migration, cytokinesis, phagocytosis, endocytosis, axon development, and immune cell activation. In mammals, there are three members of the AC family, muscle-specific cofilin (Cofilin 2), non-muscle cofilin (Cofilin 1), and ADF. In humans, cofilin 1 and ADF have 72% identity, with the major amino acid differences found in the C-terminal region. Regulation of cofilin activity can occur through serine phosphorylation. Activation of cofilin kinases, LIMK1 or LIMK2, leads to phosphorylation of cofilin at serine 3. This phosphorylation disrupts cofilin binding to actin in vitro and in vivo. Multiple phosphatases, PP1, PP2A, PP2B, slingshot, and chronophin can dephosphorylate Ser-3 and activate actin binding. Thus, Ser-3 phosphorylation is a major site for the regulation of cofilin activity.
References	- Bamburg, J.R. (1999). Annu Rev Cell Dev Biol. 15:185 - Maciver, S.K. & Hussey, P.J. (2002). Genome Biol. 3(5): 3007

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/peptide/phospho-cofilin-1-ser-3-peptide/71541>