

mDia Phospho-Regulation Antibody Sampler Kit | mDia antibody sampler kit

mDia Phospho-Regulation

CATALOG # AAA71616	REACTIVITY Human, Rat, Mouse, Fish	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

mDia Phospho-Regulation; mDia antibody sampler kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Rat, Mouse, Fish
Form/Format	Rabbit polyclonal, affinity-purified antibodies are supplied in phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for mDia antibody sampler kit	ELISA, WB (Western Blot)
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

ADDITIONAL INFORMATION

Related Product Information for mDia antibody sampler kit	Background: Formins include several families of proteins that regulate actin cytoskeletal dynamics via two conserved formin homology domains, FH1 and FH2. Formins construct actin-based structures comprising linear, unbranched filaments that are used in stress fibers, actin cables, microspikes, and contractile rings. The diaphanous (Dia) formin subfamily includes mDia1 (Diap1), mDia2 (Diap3), and mDia3 (Diap2). mDia1 protein is activated by Rho leading to ROCK-dependent stress fiber formation and regulation of serum response factor-dependent transcription. mDia2 is activated by Rac or Cdc42, and it nucleates actin polymerization and stabilizes microtubules. Regulation of mDia2 activity may occur through ROCK phosphorylation of Thr-1061 and Ser-1070. mDia3 is activated by Cdc42 and regulates the attachment of microtubules to the kinetochore during mitosis. Aurora B kinase phosphorylates Ser-196 and Thr-882 in vitro, and phosphorylation of Ser -196 increases during mitosis in vivo.
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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.

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Online datasheet: <https://stage.aaabiotech.com/fish-human-mouse-rat-antibody-sampler-kits/mdia-phospho-regulation/71616>