

Rabbit Rho Kinase/ROCKII (pT249) Antibody | anti-Rho Kinase/ROCKII (pT249) antibody

Rabbit anti Phospho-ROCKII (pThr 249) antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71408	Rabbit	Human, Mouse, Rat, Chicken, Bovine, Canine	Immunohistochemistry, Western Blot, ELISA

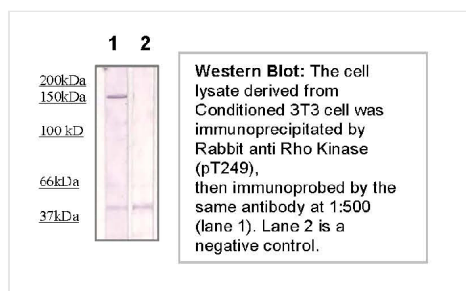
PRODUCT SYNONYMS

Rho Kinase/ROCKII (pT249); Rabbit anti Phospho-ROCKII (pThr 249) antibody; Rabbit anti-ROCKII (pThr249); Rho Kinase; Rho-associated kinase-alpha (ROKalpha); Rho-associated; coiled-coil containing protein kinase II (ROCKII); anti-Rho Kinase/ROCKII (pT249) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Chicken, Bovine, Canine
Specificity	This antibody recognizes ~165 kDa of human ROCKII at a phosphorylation site of Thr249. It does not react to non-phosphorylated protein. This antibody also reacts with mouse and rat. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Site-specific Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-Rho Kinase/ROCKII (pT249) antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide corresponding to the epitope -CDTAV- with a single phosphorylation site Thr249 of human Rho Kinase/RockII protein. This sequence is identical among human, mouse, rat, chicken, dog and bovine.
Positive Control	Conditioned 3T3 cell
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 20 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-Rho Kinase/ROCKII (pT249) antibody	Rho A-dependent kinase (ROCKII), or ROK-alpha, is identified a serine/threonine kinase, a downstream effector of the small GTPase Rho, mediating effects of Rho on the actin cytoskeleton, formation of actin stress fibers and focal adhesions, ROCKII alters cardiac myofilament response to Ca2+ by mechanisms involving phosphorylation of thin filament proteins. ROCK-II induces a depression in maximum ATPase rate and tension, which is associated with phosphorylation of troponin T (TnT), troponin I (TnI), and myosin-binding protein C (C-protein). The phosphorylation of Rho-kinase at Thr 249, Thr 396 plays important role in G-protein signaling..
References	Susan Vahebi, et al, Functional Effects of Rho-Kinase-Dependent Phosphorylation of Specific Sites on Cardiac Troponin. Circulation Research. 2005;96:740-747.

NCBI AND UNIPROT INFORMATION

Molecular Weight	165 kDa
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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/rabbit-bovine-canine-chicken-human-mouse-ovine-rat-antibody/rho-kinase-rockii-pt249/71408>