

	<h1>ROCK2 Rabbit pAb</h1>	E 2 5 0 5 6 9 8
--	---------------------------	--------------------------------------

Swiss-Prot No.:	O75116
Altername:	ROCK2
Storage/Stability:	Store at -20°C. Avoid freeze / thaw cycles.
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1109-1388 of human ROCK2 (NP_004841.2).
Purification:	Affinity purified
Reactivity:	Human,Mouse,Rat
Other Names:	ROCK-II
Cellular localization:	Cell membrane, Cytoplasm, Cytoskeleton, Membrane, Nucleus
Relevance:	Protein kinase which is a key regulator of actin cytoskeleton and cell polarity. Involved in regulation of smooth muscle contraction, actin cytoskeleton organization, stress fiber and focal adhesion formation, neurite retraction, cell adhesion and motility via phosphorylation of ADD1, BRCA2, CNN1, EZR, DPYSL2, EP300, MSN, MYL9/MLC2, NPM1, RDX, PPP1R12A and VIM. Phosphorylates SORL1 and IRF4. Acts as a negative regulator of VEGF-induced angiogenic endothelial cell activation. Positively regulates the activation of p42/MAPK1-p44/MAPK3 and of p90RSK/RPS6KA1 during myogenic differentiation. Plays an important role in the timely initiation of

For Research Use Only

	centrosome duplication. Inhibits keratinocyte terminal differentiation. May regulate closure of the eyelids and ventral body wall through organization of actomyosin bundles. Plays a critical role in the regulation of spine and synaptic properties in the hippocampus. Plays an important role in generating the circadian rhythm of the aortic myofilament Ca ²⁺ sensitivity and vascular contractility by modulating the myosin light chain phosphorylation.
Source:	Rabbit
Antibody type:	Polyclonal antibody
Isotype:	Rabbit IgG
Molecular Weight:	180kDa
Preservative:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Recommended Dilutions:	WB 1:500 - 1:2000; IHC 1:50 - 1:200; IF 1:50 - 1:200 (Optimal dilutions should be determined by the end user)