

Product name:	ROCK2 (Phospho-Tyr722) Rabbit Polyclonal Antibody
Cat number:	ABN06071
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human ROCK2 (Phospho-Tyr722)
Reactivity:	Human, Mouse, Rat
Applications:	WB 1:500-1:2000
Molecular Weight:	153kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	catalytic activity: ATP + a protein = ADP + a phosphoprotein., enzyme regulation: Activated by RHOA binding., function: Protein kinase that phosphorylates a large number of important signaling proteins, and thereby regulates the assembly of the actin cytoskeleton. Promotes formation of stress fibers and of focal adhesion complexes. Plays a role in smooth muscle contraction., miscellaneous: Inhibited by Y-27632., PTM: Phosphorylated upon DNA damage, probably by ATM or ATR., similarity: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family., similarity: Contains 1 AGC-kinase C-terminal domain., similarity: Contains 1 PH domain., similarity: Contains 1 phorbol-ester/DAG-type zinc finger., similarity: Contains 1 protein kinase domain., similarity: Contains 1 REM (Hr1) repeat., subcellular location: Cytoplasmic, and associated with actin microfilaments and the plasma membrane., subunit: Homodimer. Binds RHOA that has been activated by GTP binding. Binds IRS1, RHOB and RHOC.,