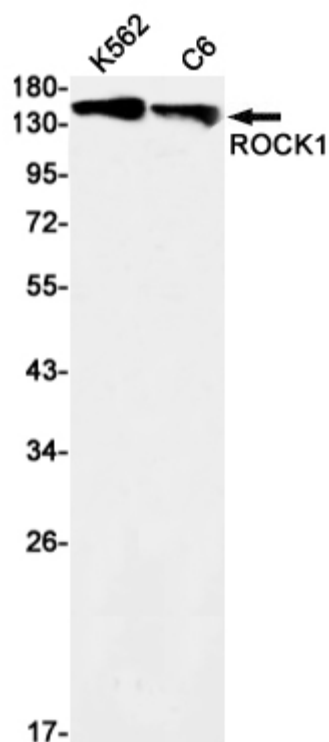


Product name:	ROCK1 Rabbit Monoclonal Antibody
Cat number:	AMRe02547
Conjugate:	Unconjugated
Size:	100 ug
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide of human ROCK1
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:1000-1:5000;IHC 1:200-1:1000;IF 1:200-1:1000;IP 1:50-1:200;ELISA 1:5000-1:20000
Molecular Weight:	Observed MW: 158 kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Storage:	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Background:	ROCK1 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 DAPK3, GFAP, LIMK1, LIMK2, MYL9/MLC2, PFN1 and PPP1R12A. Phosphorylates FHOD1 and acts synergistically with it to promote SRC-dependent non-apoptotic plasma membrane blebbing.



Western blot analysis of ROCK1 in K562, C6 lysates using ROCK1 antibody.