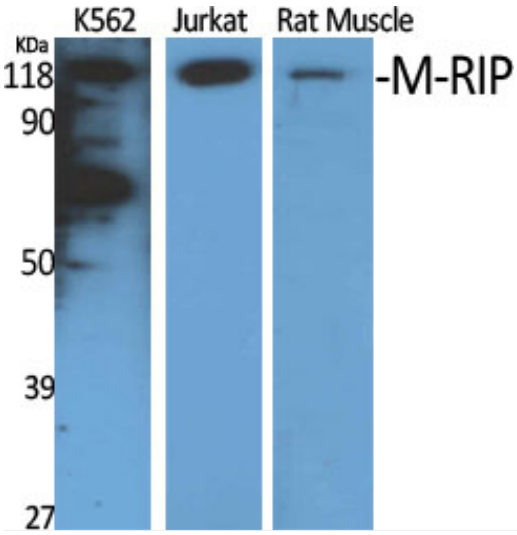
M-RIP Polyclonal Antibody

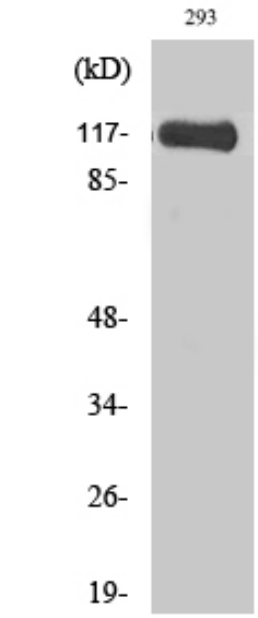
Catalog No	BYab-03332
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA;IHC
Gene Name	MPRIP
Protein Name	Myosin phosphatase Rho-interacting protein
Immunogen	Synthesized peptide derived from the Internal region of human M-RIP.
Specificity	M-RIP Polyclonal Antibody detects endogenous levels of M-RIP protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MPRIP; KIAA0864; MRIP; RHOIP3; Myosin phosphatase Rho-interacting protein; M-RIP; Rho-interacting protein 3; RIP3; p116Rip
Observed Band	115kD
Cell Pathway	Cytoplasm, cytoskeleton . Colocalizes with F-actin.
Tissue Specificity	Aorta,Brain,Epithelium,Lymph,Melanoma,Muscle,Ovary,Tongue,
Function	function:Targets myosin phosphatase to the actin cytoskeleton. Required for the regulation of the actin cytoskeleton by RhoA and ROCK1. Depletion leads to an increased number of stress fibers in smooth muscle cells through stabilization of actin fibers by phosphorylated myosin. Overexpression of MRIP as well as its F-actin-binding region leads to disassembly of stress fibers in neuronal cells.,similarity:Contains 1 PH domain.,similarity:Contains 2 PH domains.,subcellular location:Colocalizes with F-actin.,subunit:Binds F-actin through its N-terminus (By similarity). Binds RHOA, PPP1R12A/MBS and PPP1R12C/MBS85 through adjacent coiled coil domains.,

Background	function:Targets myosin phosphatase to the actin cytoskeleton. Required for the regulation of the actin cytoskeleton by RhoA and ROCK1. Depletion leads to an increased number of stress fibers in smooth muscle cells through stabilization of actin fibers by phosphorylated myosin. Overexpression of MRIP as well as its F-actin-binding region leads to disassembly of stress fibers in neuronal cells.,similarity:Contains 1 PH domain.,similarity:Contains 2 PH domains.,subcellular location:Colocalizes with F-actin.,subunit:Binds F-actin through its N-terminus (By similarity). Binds RHOA, PPP1R12A/MBS and PPP1R12C/MBS85 through adjacent coiled coil domains.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

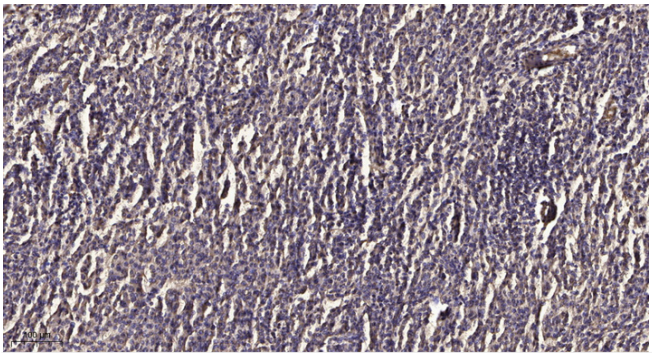
Products Images



Western Blot analysis of various cells using M-RIP Polyclonal Antibody



Western Blot analysis of 293 cells using M-RIP Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded human meningioma. 1, Antibody was diluted at 1:200(4 ° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).