

Immunotag™ M-RIP Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT2838
Product Description	Immunotag™ M-RIP Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	M-RIP
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,WB,ELISA
Recommended Dilution	WB 1:500-2000 Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from M-RIP, at AA range: 700-780
Specificity	M-RIP Polyclonal Antibody detects endogenous levels of M-RIP protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	MPRIP
Accession No.	Q6WCQ1 P97434 Q9ERE6
Alternate Names	MPRIP; KIAA0864; MRIP; RHOIP3; Myosin phosphatase Rho-interacting protein; M-RIP; Rho-interacting protein 3; RIP3; p116Rip

Antibody Specification

Description	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.,
Protein Expression	Aorta,Brain,Epithelium,Lymph,Melanoma,Muscle,Ovary,Tongue,
Subcellular Localization	cytoplasm,cell-cell adherens junction,focal adhesion,actin cytoskeleton,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.