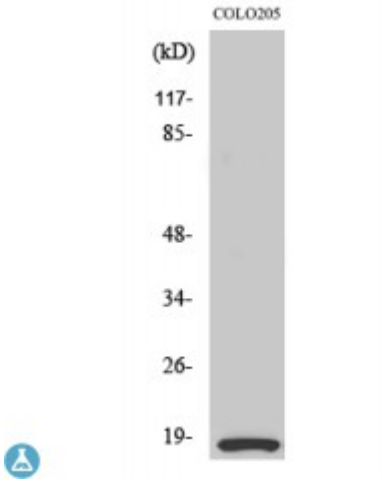
Anti-MRLC2 antibody



Description	Rabbit polyclonal to MRLC2.

Model	STJ94204
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human MRLC2 around the non-phosphorylation site of S18.
Immunogen Region	1-80 aa
Gene ID	10398
Gene Symbol	MYL9
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	MRLC2 Polyclonal Antibody detects endogenous levels of MRLC2 protein.
Tissue Specificity	Smooth muscle tissues and in some, but not all, nonmuscle cells.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Myosin regulatory light polypeptide 9 20 kDa myosin light chain LC20 MLC-2C Myosin RLC Myosin regulatory light chain 2, smooth muscle isoform Myosin regulatory light chain 9 Myosin regulatory light chain MRLC1

Molecular Weight	18 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:15754OMIM:609905
Alternative Names	Myosin regulatory light polypeptide 9 20 kDa myosin light chain LC20 MLC-2C Myosin RLC Myosin regulatory light chain 2, smooth muscle isoform Myosin regulatory light chain 9 Myosin regulatory light chain MRLC1
Function	Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Implicated in cytokinesis, receptor capping, and cell locomotion.
Post-translational Modifications	Phosphorylation increases the actin-activated myosin ATPase activity and thereby regulates the contractile activity. It is required to generate the driving force in the migration of the cells but not necessary for localization of myosin-2 at the leading edge.