



MRLC2 (phospho Ser18) Monoclonal Antibody

Catalog No	YP-mAb-03052
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC-p;IF/ICC;ELISA
Gene Name	MYL9
Protein Name	Myosin regulatory light polypeptide 9
Immunogen	The antiserum was produced against synthesized peptide derived from human Myosin regulatory light chain 2 around the phosphorylation site of Ser18. AA range:3-52
Specificity	Phospho-MRLC2 (S18) Monoclonal Antibody detects endogenous levels of MRLC2 protein only when phosphorylated at S18.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MYL9; MLC2; MRLC1; MYRL2; 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 MRL
Observed Band	18
Cell Pathway	Cytoplasm, cytoskeleton . Cytoplasm, cell cortex . Colocalizes with F-actin, MYH9 and PIEZO1 at the actomyosin cortex in myoblasts. .
Tissue Specificity	Smooth muscle tissues and in some, but not all, nonmuscle cells.
Function	
Background	
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.

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