

Rabbit anti-Human MLC2 Polyclonal Antibody | anti-MLC2 antibody

MLC2 (Phospho-Tyr118) Antibody

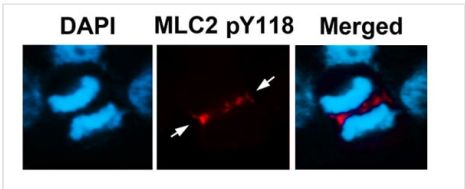
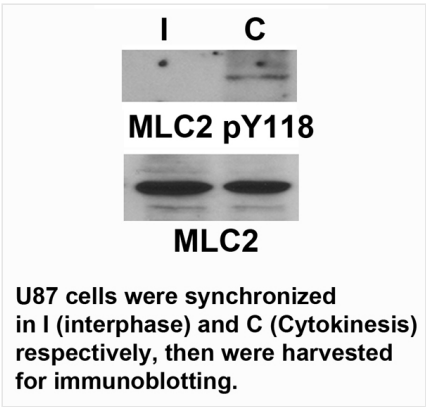
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301575	Rabbit	Human	Immunofluorescence, Western Blot

PRODUCT SYNONYMS

MLC2; Polyclonal Antibody; MLC2 (Phospho-Tyr118) Antibody; MRLC1; MYRL2; anti-MLC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of MLC2 only when phosphorylated at tyrosine 118.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	172
Applicable Applications for anti-MLC2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 118 (A-D-Y(p)-V-R) derived from Human MLC2.
Modification	Phospho-Tyr118
Target Name	MLC2
Preparation and Storage	Store at -20 degree C



IF (Immunofluorescence)
Immunofluorescence staining of methanol-fixed U87 cells using MLC2 (Phospho-Tyr118) Antibody.

Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-MLC2 antibody	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.
Product Categories/Family for anti-MLC2 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	29568111
NCBI GeneID	10398
NCBI Accession #	NP_006088.2
NCBI GenBank Nucleotide #	NM_006097.4
UniProt Accession #	P24844; Q9BQL9; Q9BUF9; Q9H136; E1P5T6
Molecular Weight	13,866 Da
NCBI Official Full Name	myosin regulatory light polypeptide 9 isoform a
NCBI Official Synonym Full Names	myosin, light chain 9, regulatory
NCBI Official Symbol	MYL9
NCBI Official Synonym Symbols	LC20; MLC2; MRLC1; MYRL2; MLC-2C
NCBI Protein Information	myosin regulatory light polypeptide 9
UniProt Protein Name	Myosin regulatory light polypeptide 9
UniProt Gene Name	MYL9
UniProt Synonym Gene Names	MLC2; MRLC1; MYRL2; LC20
UniProt Entry Name	MYL9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.