

# MRLC2 rabbit monoclonal antibody

Catalog # H00103910-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human MRLC2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human MRLC2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human MRLC2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — MRLC2

Entrez GeneID	<a href="#">103910</a>
GeneBank Accession#	<a href="#">MRLC2</a>
Gene Name	MRLC2
Gene Alias	MLC-B
Gene Description	myosin regulatory light chain MRLC2
Omim ID	<a href="#">609211</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The activity of nonmuscle myosin II (see MYH9; MIM 160775) is regulated by phosphorylation of a regulatory light chain, such as MRLC2. This phosphorylation results in higher MgATPase activity and the assembly of myosin II filaments (Iwasaki et al., 2001 [PubMed 11942626]).[supplied by OMIM]
Other Designations	OTTHUMP00000165806 OTTHUMP00000165807 OTTHUMP00000165808 myosin regulatory light chain MRCL2

## Pathway

- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)
- [Tight junction](#)