



MLC-2 rabbit pAb

Cat No.:ES4526

For research use only

Overview

Product Name	MLC-2 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:500-2000 ,Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MLC-2. AA range:5-54
Specificity	MLC-2 Polyclonal Antibody detects endogenous levels of MLC-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Myosin regulatory light chain 12A
Gene Name	MYL12A
Cellular localization	stress fiber,cytosol,brush border,myosin complex,myosin II complex,Z disc,apical part of cell,extracellular exosome,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	10398/10627
Human Swiss-Prot Number	P19105/O14950/P24844
Alternative Names	MYL12A; MLCB; MRLC3; RLC; Myosin regulatory light chain 12A; MLC-2B; Myosin RLC; Myosin regulatory light chain 2; nonsarcomeric; Myosin regulatory light chain MRLC3; MYL12B; MRLC2; MYLC2B; Myosin regulatory light chain 12B; MLC-2A; MLC-2; M





Background

This gene encodes a nonsarcomeric myosin regulatory light chain. This protein is activated by phosphorylation and regulates smooth muscle and non-muscle cell contraction. This protein may also be involved in DNA damage repair by sequestering the transcriptional regulator apoptosis-antagonizing transcription factor (AATF)/Che-1 which functions as a repressor of p53-driven apoptosis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 8.[provided by RefSeq, Dec 2014],

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

