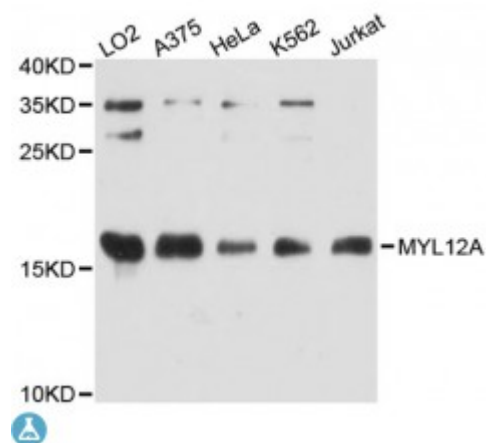


Anti-MYL12A Antibody



Description

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.

Model	STJ113619
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 92-171 of human MYL12A (NP_006462.1).
Gene ID	10627
Gene Symbol	MYL12A
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Myosin regulatory light chain 12A Epididymis secretory protein Li 24 HEL-S-24 MLC-2B Myosin RLC Myosin regulatory light chain 2 nonsarcomeric Myosin regulatory light chain MRLC3
Molecular Weight	19.794 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:16701 OMIM:609211 Reactome:R-HSA-3928664
Alternative Names	Myosin regulatory light chain 12A Epididymis secretory protein Li 24 HEL-S-24 MLC-2B Myosin RLC Myosin regulatory light chain 2 nonsarcomeric Myosin regulatory light chain MRLC3
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 ,

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