

Product datasheet for **TA372015S**

MYL12B Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Human urinary bladder tissue lysate
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human MYL12B
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	20 kDa
Gene Name:	myosin light chain 12B
Database Link:	Entrez Gene 103910 Human O14950

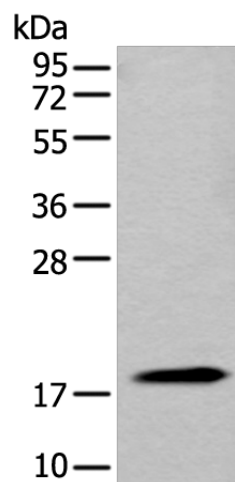
Background: MYL12B is a regulatory subunit of myosin and plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. There are two groups of residues on the MYL12B that are phosphorylated by distinct kinases and have contrasting effects on myosin II biophysical properties. Phosphorylation at Thr18/Ser19 essentially “activates” the myosin molecule to produce force. The second group of phosphorylated residues is at the N-terminus of the MYL12B at Ser1, Ser2 and Thr9 and causes inhibitory effect on myosin activity.

Synonyms: MLC-2; MLC-2A; MLC-B; MLC20; MRLC2; MYLC2B; OTTHUMP00000165808; SHUJUN-1



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Product images:



Gel: 12%SDS-PAGE

Lysate: 40 µg

Lane: Human urinary bladder tissue lysate

Primary antibody: [TA372015] (MYL12B Antibody)
at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution

Exposure time: 20 seconds