

Anti-MYL12B antibody

Cat. No.	ml222348
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-MYL12B rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human MYL12B
Reactivity	Human, Mouse, Rat
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	MYL12B
Full name	myosin, light chain 12B, regulatory

Synonyms MLC-B; MRLC2

Swissprot O14950

Target Background

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

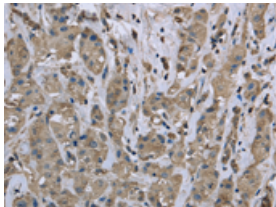
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human breast cancer

Recommended dilution: 50-200

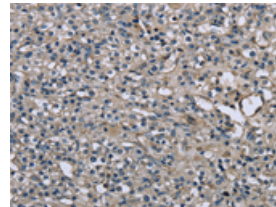


The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ml222348(MYL12B Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Predicted cell location: Cytoplasm

Positive control: Human prostate cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using ml222348(MYL12B Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 20 kDa

Positive control: Mouse skeletal muscle, heart and bladder tissue

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

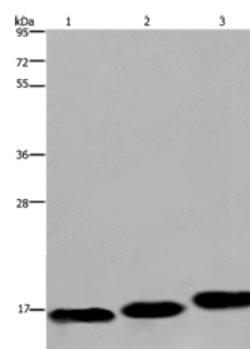
Lysate: 40 µg

Lane 1-3: Mouse skeletal muscle, Mouse heart tissue, Mouse bladder tissue

Primary antibody: ml222348(MYL12B Antibody) at dilution 1/550

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

Exposure time: 20 seconds



ELISA

Recommended dilution: 2000-5000

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