

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB

Recommended dilutions:

ELISA:1:1000-1:2000, WB:1:200-1:1000

Protein Background:

This gene encodes a myosin light chain kinase, a calcium / calmodulin dependent enzyme, that is exclusively expressed in adult skeletal muscle. The MYLK2 gene expresses skMLCK more prevalently in fast twitch muscle fibers as compared to slow twitch muscle fibers. Calmodulin is composed of two terminal domains (N, C) each containing two E-F hand motifs that bind to Ca²⁺. Upon saturation of Ca²⁺, Calmodulin undergoes a conformation change allowing it to bind with a target protein such as skMLCK.

Gene ID:

MYLK2

Uniprot

Q9H1R3

Synonyms:

myosin light chain kinase 2

Immunogen:

Fusion protein of human MYLK2.

Storage:

-20°C; C, pH7.4 PBS, 0.05% NaN₃, 40% Glycerol

Product Images



Gel: 6%SDS-PAGE, Lysate: 40 μ g, Lane: Mouse muscle tissue, Primary antibody: PACO14704(MYLK2 Antibody) at dilution 1/1000, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 10 minutes.