

Myosin Light Chain 2 (phospho Ser19) antibody

Cat. No. GTX22480

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IHC-Fr, IP, ELISA, Multiplexing
Reactivity	Human, Mouse

References (5)

Package

50 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:2000
ICC/IF	Assay dependent
IHC-P	2-5 µg/mL
IHC-Fr	Assay dependent
IP	1:100
ELISA	1:10000-1:30000
Multiplexing	Assay dependent

Not tested in other applications.

Product Note Reactivity with non-phosphorylated myosin light chain is less than 1% by ELISA.

Properties

Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl
Preservative	0.01% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1.19 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Human Myosin Light Chain phospho peptide corresponding to a region near the amino terminus of the human smooth/non-muscle form of myosin regulatory light chain conjugated to KLH.
Purification	Purified by antigen-affinity chromatography. From serum



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Conjugation

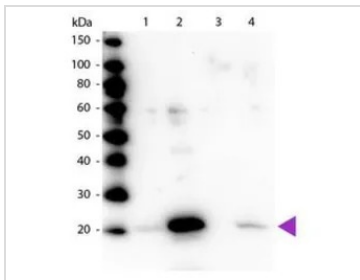
Unconjugated

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

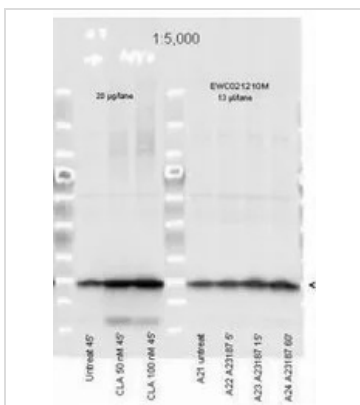
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



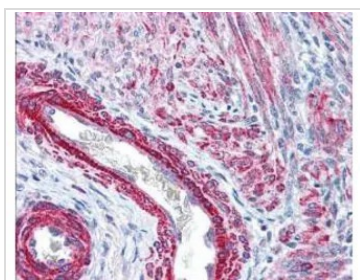
GTx22480 WB Image

Western blot of Myosin Light chain (phospho Ser20) antibody (GTx22480). Lane 1: Regulatory Light Chain Non-Phospho recombinant protein. Lane 2: Regulatory Light Chain Phospho recombinant protein. Lane 3: Smooth Muscle Non-Phospho recombinant protein. Lane 4: Smooth Muscle Phospho recombinant protein. Load: 50 ng per lane. Primary antibody at 1:1,000 overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:40,000 for 60 min at RT. Blocking for 30 min at RT. Predicted/Observed size: 20 kDa.



GTx22480 WB Image

Myosin Light chain (phospho Ser20) antibody (GTx22480) was used at a 1:5000 dilution to detect myosin light chain by Western blot. Either 13 or 20 ul of a mouse cardiac myocyte lysate was loaded on a 4-20% Criterion gel for SDS-PAGE. Samples were either mock-treated or CLA-treated, as indicated. After washing, a 1:5,000 dilution of HRP conjugated Gt-a-Rabbit IgG (GTx27090) preceded color development using Amersham's substrate system



GTx22480 IHC-P Image

Myosin Light chain (phospho Ser20) antibody (GTx22480) was used at 2.5 µg/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows strong staining of both vascular and myometrial smooth muscle cells of the uterus. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain.



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