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Datasheet for ABIN2470242
anti-MYL9 antibody (C-Term)

1 Image

Overview

Quantity:	0.05 mg
Target:	MYL9
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYL9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	MYL9 antibody was raised against amino acids 12-27 from the C-Terminus of human myosin light chain protein.
Purification:	Immunoaffinity Chromatography

Target Details

Target:	MYL9
Alternative Name:	MYL9 (MYL9 Products)
Background:	Myosin is the major component of thick muscle filaments, and is a long asymmetric molecule containing a globular head and a long tail. The molecule consists of two heavy chains each ~200,000 daltons, and four light chains each ~16,000 - 21,000 daltons. Activation of smooth and cardiac muscle primarily involves pathways that increase calcium and myosin

Target Details

phosphorylation resulting in contraction. Myosin light chain phosphatase acts to regulate muscle contraction by dephosphorylating activated myosin light chain. The selected peptide sequence used to generate the polyclonal antibody is located near the amino terminal end of the polypeptide corresponding to the smooth/non-muscle form of myosin regulatory light chain found in cardiac myocytes in addition to smooth and non-muscle cells. This sequence differs from that of the sarcomeric/ cardiac form of myosin regulatory light chain that has a different sequence around the phosphorylation site. Human, mouse and rat have almost identical sequences.

Gene ID: 10398

UniProt: [P24844](#)

Application Details

Application Notes: MYL9 antibody can be used in immunohistochemistry starting at 2.5 - 5 µg/mL, and flow cytometry.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01 % sodium azide.

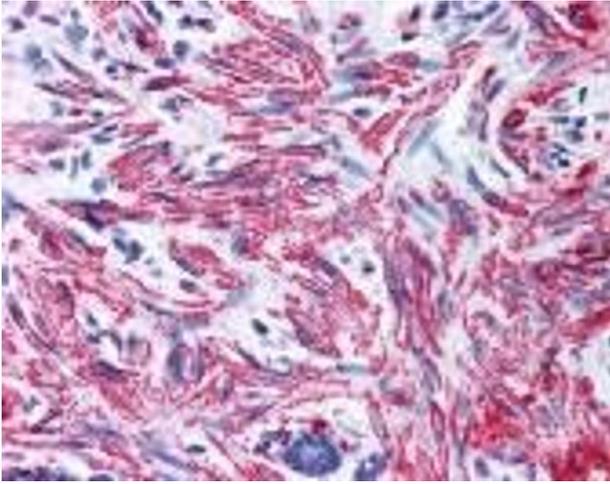
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: As with all antibodies avoid freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store MYL9 antibody at 4 °C or -20 °C.



Immunohistochemistry

Image 1.