



Datasheet for ABIN2783319
anti-MYL9 antibody (Middle Region)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	MYL9
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Zebrafish (Danio rerio), Guinea Pig, Sheep, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYL9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MYL9
Sequence:	FDEEASGFH EDHLRELLTT MGDRTDEEV DEMYREAPID KKGNFNYVEF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against MYL9. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MYL9
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Target Details

Alternative Name:	MYL9 (MYL9 Products)
Background:	<p>Myosin, a structural component of muscle, consists of two heavy chains and four light chains. MYL9 is a myosin light chain that may regulate muscle contraction by modulating the ATPase activity of myosin heads. It binds calcium and is activated by myosin light chain kinase. Two transcript variants encoding different isoforms have been found for this gene. Myosin, a structural component of muscle, consists of two heavy chains and four light chains. The protein encoded by this gene is a myosin light chain that may regulate muscle contraction by modulating the ATPase activity of myosin heads. The encoded protein binds calcium and is activated by myosin light chain kinase. Two transcript variants encoding different isoforms have been found for this gene.</p> <p>Alias Symbols: LC20, MGC3505, MLC2, MRLC1, MYRL2, MLC-2C</p> <p>Protein Interaction Partner: UBC, MYH14, MYL12A, MYH9, LRRK2, FBXO25, SP1, TP63, TP73, TP53, CDC42BPA,</p> <p>Protein Size: 172</p>
Molecular Weight:	20 kDa
Gene ID:	10398
NCBI Accession:	NM_006097 , NP_006088
UniProt:	P24844

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 172 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

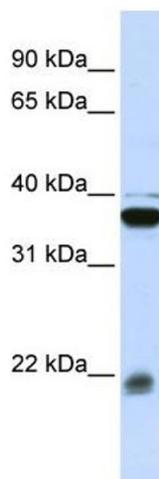
should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-MYL9 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate