

Datasheet for ABIN953458

anti-MYLK antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	0.4 mL
Target:	MYLK
Binding Specificity:	AA 542-570, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYLK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the central region (between 542-570aa) of human MLCK / MYLK3
Isotype:	Ig Fraction
Specificity:	This antibody recognizes human MYLK / MYLK3.
Purification:	Purified through a Protein A column followed by peptide affinity purification

Target Details

Target:	MYLK
Alternative Name:	MLCK (MYLK Products)

Target Details

Background:	Phosphorylation of cardiac myosin heavy chains (like MYH7B) and light chains (like MYL2) by a kinase, such as MYLK3, potentiates the force and rate of cross-bridge recruitment in cardiac myocytes [Chan et al., 2008, PubMed 18202317].Synonyms: MYLK3, Putative myosin light chain kinase 3
Molecular Weight:	88393 Da
Gene ID:	91807
NCBI Accession:	NP_872299

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) 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:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis in K562 cell line lysates (35ug/lane) using MLCK Antibody . This demonstrates this antibody detected the MLCK protein (arrow).