Datasheet for ABIN566624

anti-MYLK2 antibody (AA 161-260)

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Overview

Quantity:	100 µg
Target:	MYLK2
Binding Specificity:	AA 161-260
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MYLK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, RNA Interference (RNAi)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant MYLK2.
Immunogen:	MYLK2 (NP_149109, 161 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	KLLAKKPPSE ASELTFEGVP MTHSPTDPRP AKAEEGKNIL AESQKEVGEK TPGQAGQAKM QGDTSRGIEF QAVPSEKSEV GQALCLTARE EDCFQILDDC
Clone:	2G1
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

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Target Details

Target:	MYLK2
Alternative Name:	MYLK2 (MYLK2 Products)
Background:	Full Gene Name: myosin light chain kinase 2 Synonyms: KMLC,MLCK,MLCK2,skMLCK
Gene ID:	85366
NCBI Accession:	NM_033118
Pathways:	Myometrial Relaxation and Contraction, Regulation of Muscle Cell Differentiation

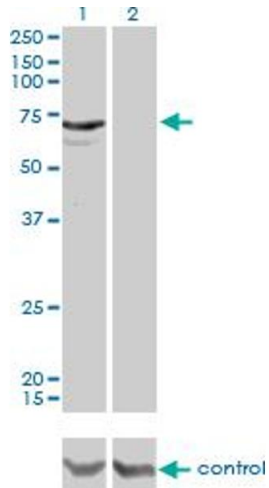
Application Details

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

Handling

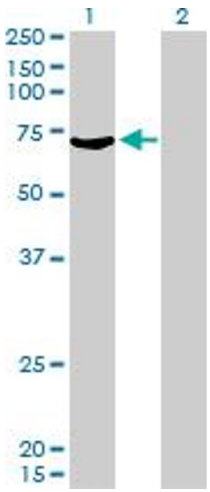
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of MYLK2 over-expressed 293 cell line, cotransfected with MYLK2 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with MYLK2 monoclonal antibody (M01), clone 2G1. GAPDH (36.1 kDa) used as specificity and loading control.

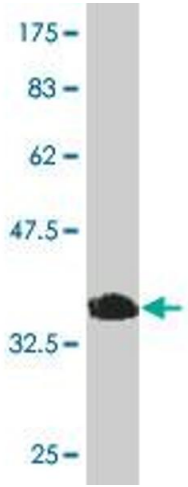


Western Blotting

Image 2. Western Blot analysis of MYLK2 expression in transfected 293T cell line by MYLK2 monoclonal antibody (M01), clone 2G1.

Lane 1: MYLK2 transfected lysate(64.7 KDa).

Lane 2: Non-transfected lysate.



Western Blotting

Image 3. Western Blot detection against Immunogen (36.63 KDa) .