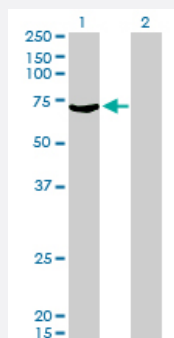


MYLK2 monoclonal antibody (M01), clone 2G1

Catalog # H00085366-M01

Size 100 ug

Applications

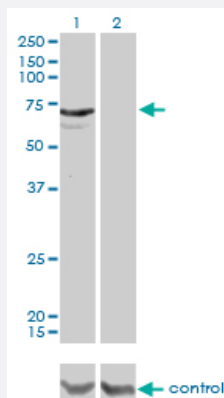


Western Blot (Transfected lysate)

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

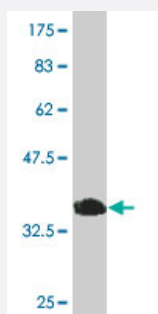
Lane 1: MYLK2 transfected lysate(64.7 KDa).

Lane 2: Non-transfected lysate.



RNAi Knockdown (Antibody validated)

Western blot analysis of MYLK2 over-expressed 293 cell line, cotransfected with MYLK2 Validated Chimera RNAi (Cat # H00085366-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MYLK2 monoclonal antibody (M01), clone 2G1 (Cat # H00085366-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

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	KLLAKKPPSEASELTFEGVPMTHSPTDPRPAKAEEGKNILAESQKEVGKTPGQAGQAKMQGD TSRGIEFQAVPSEKSEVGQALCLTAREEDCFQLDDC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (68)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of MYLK2 over-expressed 293 cell line, cotransfected with MYLK2 Validated Chimera RNAi (Cat # H00085366-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MYLK2 monoclonal antibody (M01), clone 2G1 (Cat # H00085366-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — MYLK2

Entrez GeneID	85366
GeneBank Accession#	NM_033118
Protein Accession#	NP_149109
Gene Name	MYLK2
Gene Alias	KMLC, MLCK, MLCK2, skMLCK
Gene Description	myosin light chain kinase 2
Omim ID	192600 606566
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a myosin light chain kinase, a calcium/calmodulin dependent enzyme, that is exclusively expressed in adult skeletal muscle. [provided by RefSeq]
Other Designations	OTTHUMP00000030560 OTTHUMP00000030561 OTTHUMP00000030562 myosin light chain kinase 2, skeletal muscle skeletal muscle myosin light chain kinase skeletal myosin light chain kinase

Pathway

- [Calcium signaling pathway](#)
- [Focal adhesion](#)
- [Regulation of actin cytoskeleton](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Neoplasms](#)