

产品名称: MYLK Mouse Monoclonal Antibody
产品货号: AMM82460



产品概述 (Summary)

产品名称 (Production Name)	MYLK Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA,FC
种属反应性 (Reactivity)	Human, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MYLK
别名 (Alternative Names)	KRP; AAT7; MLCK; MLCK1; MMIHS; MYLK1; smMLCK; MLCK108; MLCK210; MSTP083
基因 ID (Gene ID)	4638.0
蛋白 ID (SwissProt ID)	Q15746.Purified recombinant fragment of human MYLK (AA:1375-1524) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	210kDa

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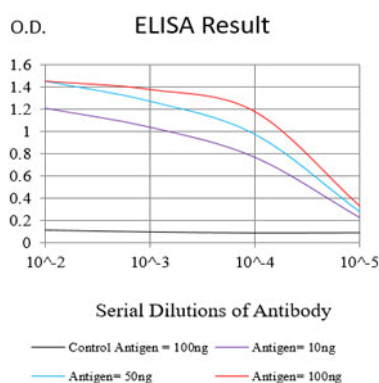


研究背景 (Background)

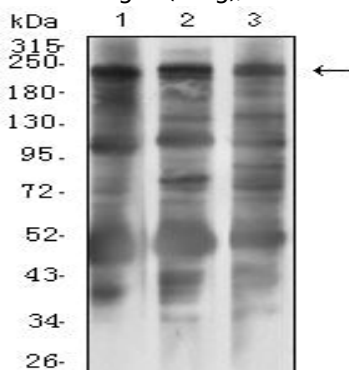
This gene, a muscle member of the immunoglobulin gene superfamily, encodes myosin light chain kinase which is a calcium/calmodulin dependent enzyme. This kinase phosphorylates myosin regulatory light chains to facilitate myosin interaction with actin filaments to produce contractile activity. This gene encodes both smooth muscle and nonmuscle isoforms. In addition, using a separate promoter in an intron in the 3' region, it encodes telokin, a small protein identical in sequence to the C-terminus of myosin light chain kinase, that is independently expressed in smooth muscle and functions to stabilize unphosphorylated myosin filaments. A pseudogene is located on the p arm of chromosome 3. Four transcript variants that produce four isoforms of the calcium/calmodulin dependent enzyme have been identified as well as two transcripts that produce two isoforms of telokin. Additional variants have been identified but lack full length transcripts.

研究领域 (Research Area)

图片 (Image Data)

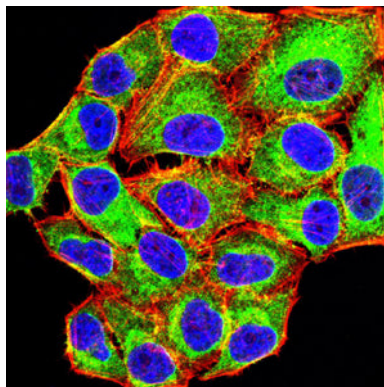


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

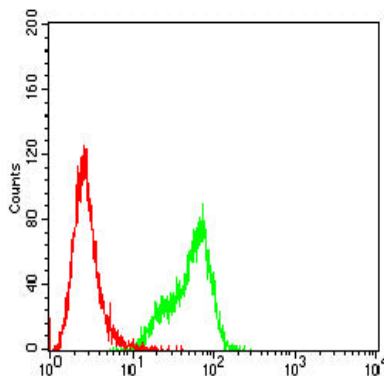


Western blot analysis using MYLK mouse mAb against PC-3 (1), C2C12 (2), and HeLa (3) cell lysate.

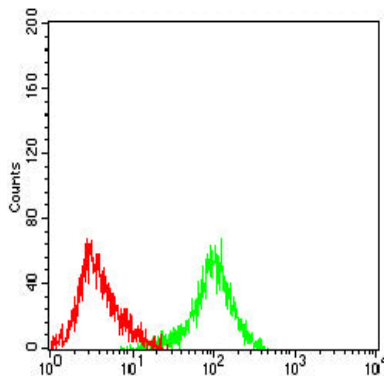
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Immunofluorescence analysis of HeLa cells using MYLK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

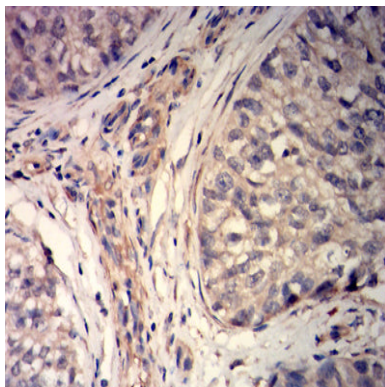


Flow cytometric analysis of HeLa cells using MYLK mouse mAb (green) and negative control (red).

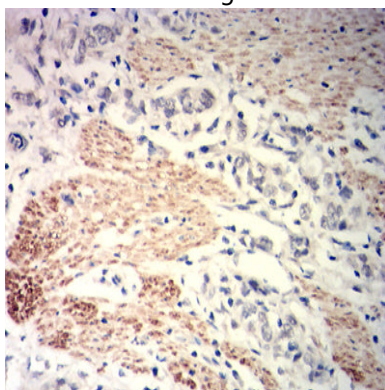


Flow cytometric analysis of LNCAP cells using MYLK mouse mAb (green) and negative control (red).

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Immunohistochemical analysis of paraffin-embedded human bladder Cancer tissues using MYLK mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human gastric cancer tissues using MYLK mouse mAb with DAB staining.

注意事项 (Note)

For research use only .