

产品名称: MAP2K3 Mouse Monoclonal Antibody
产品货号: AMM81644



产品概述 (Summary)

产品名称 (Production Name)	MAP2K3 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC, ELISA, FC
种属反应性 (Reactivity)	Human

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)	MAP2K3
别名 (Alternative Names)	MEK3; MKK3; MAPKK3; PRKMK3; SAPKK2; SAPKK-2
基因 ID (Gene ID)	5606.0
蛋白 ID (SwissProt ID)	P46734. Purified recombinant fragment of human MAP2K3 (AA: 1-138) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	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)	39.3kDa

研究背景 (Background)

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This

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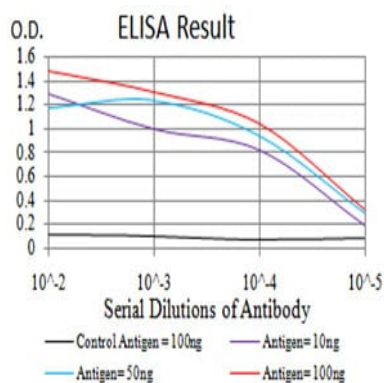


kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene.

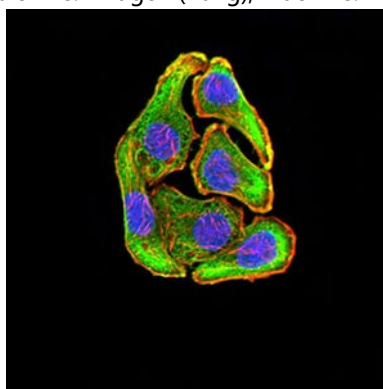
研究领域 (Research Area)

TGF-beta signaling pathway, MAPK signaling pathway, Jak-STAT signaling pathway

图片 (Image Data)

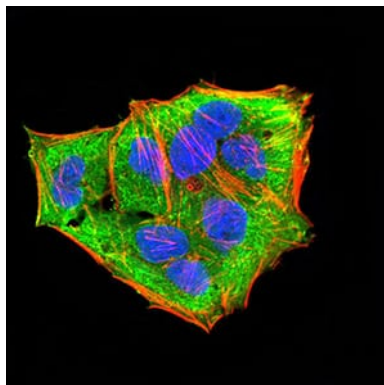


Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

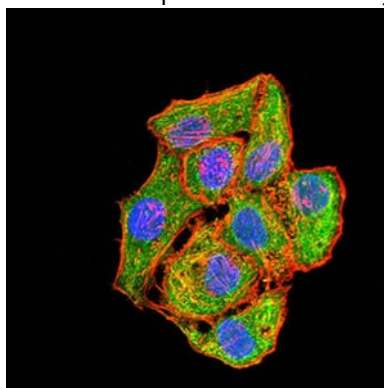


Immunofluorescence analysis of GC-7901 cells using MAP2K3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

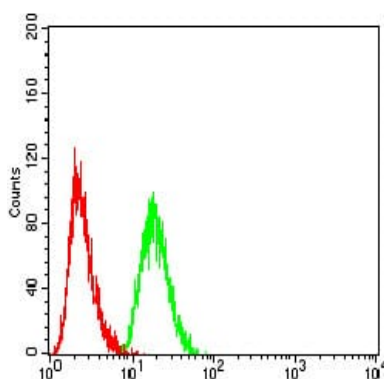
产品名称: MAP2K3 Mouse Monoclonal Antibody
产品货号: AMM81644



Immunofluorescence analysis of HeLa cells using MAP2K3 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)

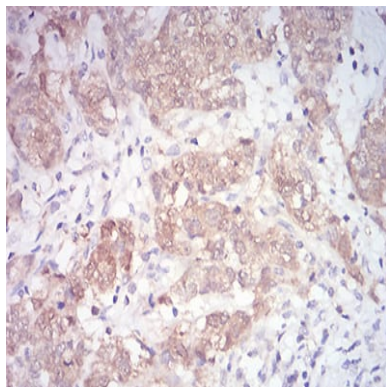


Immunofluorescence analysis of HepG2 cells using MAP2K3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

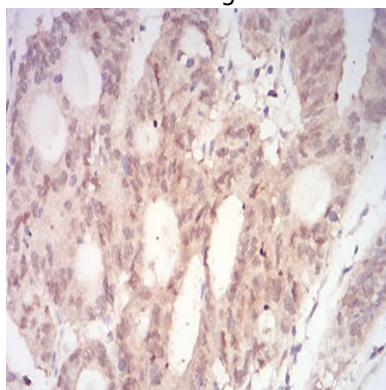


Flow cytometric analysis of HeLa cells using MAP2K3 mouse mAb (green) and negative control (red).

产品名称: MAP2K3 Mouse Monoclonal Antibody
产品货号: AMM81644



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using MAP2K3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using MAP2K3 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .