

产品名称: PTEN Mouse Monoclonal Antibody
产品货号: AMM80780



产品概述 (Summary)

产品名称 (Production Name)	PTEN Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,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)	PTEN
别名 (Alternative Names)	BZS; MHAM; TEP1; PTEN1
基因 ID (Gene ID)	5728.0
蛋白 ID (SwissProt ID)	P60484.Purified recombinant fragment of PTEN expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	54kDa

研究背景 (Background)

PTEN (phosphatase and tensin homolog) was identified as a tumor suppressor that is mutated in a large number of cancers at high frequency. This protein is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tensin like domain

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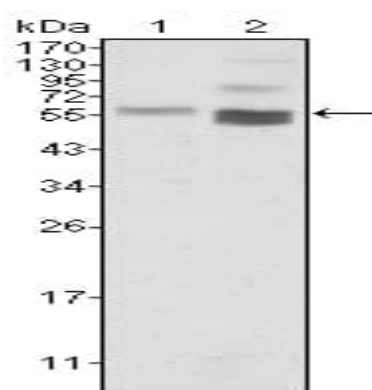


as well as a catalytic domain similar to that of the dual specificity protein tyrosine phosphatases. Unlike most of the protein tyrosine phosphatases, this protein preferentially dephosphorylates phosphoinositide substrates. It negatively regulates intracellular levels of phosphatidylinositol-3,4,5-trisphosphate in cells and functions as a tumor suppressor by negatively regulating AKT/PKB signaling pathway.

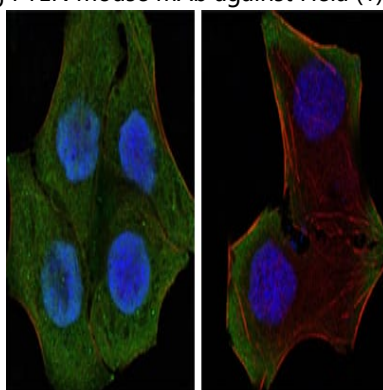
研究领域 (Research Area)

Apoptosis, PI3K-Akt signaling pathway

图片 (Image Data)

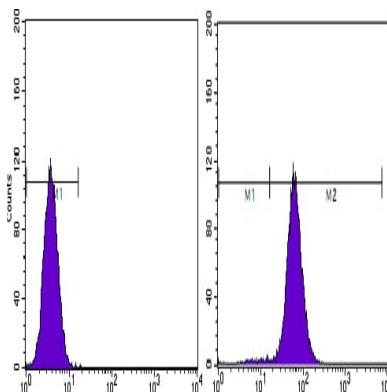


Western blot analysis using PTEN mouse mAb against Hela (1) and NIH/3T3 (2) cell lysate.



Confocal Immunofluorescence analysis of Hela (left) and HepG2 (right) cells using PTEN mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

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Flow cytometric analysis of Hela cells using PTEN mouse mAb (right) and negative control (left).

注意事项 (Note)

For research use only .