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PTEN (YD14535) Rabbit mAb

货号: AYD14281

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB
推荐浓度	
理论分子量	47kDa
实测分子量	
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	MCF-7 cells, HeLa cells, DU 145 cells
细胞定位	Cytoplasm, Nucleus, PML body, Cell projection, dendritic spine, Postsynaptic density, Secreted
纯化	亲和纯化

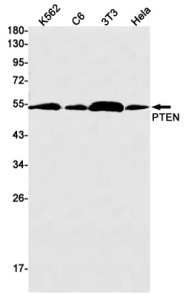
抗原信息

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靶点信息

研究背景	This gene was identified as a tumor suppressor that is mutated in a large number of cancers at high frequency. The protein encoded by this gene is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tensin like domain 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. The use of a non-canonical (CUG) upstream initiation site produces a longer isoform that initiates translation with a leucine, and is thought to be preferentially associated with the mitochondrial inner membrane. This longer isoform may help regulate energy metabolism in the mitochondria. A pseudogene of this gene is found on chromosome 9. Alternative splicing and the use of multiple translation start codons results in multiple transcript variants encoding different isoforms.
基因ID	5728
基因名	PTEN
Swiss	P60484 (https://www.uniprot.org/uniprotkb/P60484/entry)
别名	PTEN (YD14535),PTEN (YD14535) Rabbit mAb,PTEN,Inositol polyphosphate 3-phosphatase,Mutated in multiple advanced cancers 1,Phosphatase and tensin homolog,MMAC1,TEP1

产品验证



实验步骤

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