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Phospho-PTEN (S380) Rabbit mAb

货号: AYM30026

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB ICC
推荐浓度	**WB:** 1:500 - 1:2000 **ICC:** 1:50 - 1:200
理论分子量	19kDa/47kDa/64kDa
实测分子量	54kDa
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	HeLa,NIH/3T3,Mouse testis,Mouse spleen,C6
细胞定位	Cytoplasm,Nucleus,PML body,Secreted
纯化	Affinity purification

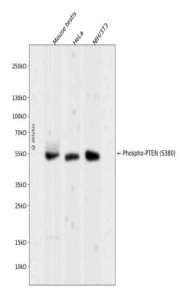
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human Phospho-PTEN (S380).

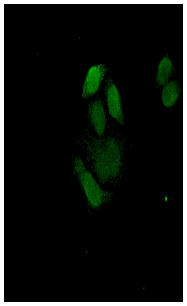
靶点信息

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. [provided by RefSeq, Feb 2015]
基因ID	5728
基因名	PTEN
Swiss	P60484 (https://www.uniprot.org/uniprotkb/P60484/entry)
别名	Phospho-PTEN (S380),Phospho-PTEN (S380) Rabbit mAb,PTEN,Inositol polyphosphate 3-phosphatase,Mutated in multiple advanced cancers 1,Phosphatase and tensin homolog,MMAC1,TEP1

产品验证



Western blot analysis of Phospho-PTEN (S380) expressed in Mouse testis,HeLa,NIH/3T3 using Phospho-PTEN (S380) Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Immunofluorescence analysis of HeLa cells labelling PTEN (S380) Rabbit mAb with . The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with Goat Anti-Rabbit IgG Fluor488 (1:200，shown in green) at room temprature for 1h.

实验步骤

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