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PTEN (Phospho-Ser370) Antibody

货号: AYP4361

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC IF/ICC ELISA
推荐浓度	**WB:** 1:500 - 1:2000 **IHC:** 1:50 - 1:200 **IF/ICC:** 1:50 - 1:200
理论分子量	19kDa/47kDa/64kDa
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,Secreted
纯化	Affinity purification

抗原信息

抗原信息	Synthesized peptide derived from Human PTEN (Phospho-Ser370).

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	10q23del,BZS,CWS1,DEC,GLM2,MHAM,MMAC1,PTEN1,TEP1,PTEN,PTENbeta,PTEN (Phospho-Ser370) Antibody,Inositol polyphosphate 3-phosphatase,Mutated in multiple advanced cancers 1,Phosphatase and tensin homolog,PTEN (Phospho-Ser370)

产品验证

实验步骤

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