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Phospho-PTEN-S380/T382/383 Rabbit pAb

货号: **AYP22699**

产品信息

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| 反应 | Human,Mouse,Rat |
| 宿主 | Rabbit |
| 克隆性 | Polyclonal |
| 预测反应 | |
| 应用 | IHC |
| 推荐浓度 | IHC: 1:50 - 1:200 |
| 理论分子量 | 19kDa/47kDa/64kDa |
| 实测分子量 | 19kDa/47kDa/64kDa |
| 形式 | Liquid |
| 保存条件 | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | MCF-7 cells, HeLa cells, DU 145 cells |
| 细胞定位 | apical plasma membrane,cell projection,cytoplasm,cytoplasmic side of plasma membrane,cytosol,dendritic spine,extracellular region,myelin sheath adaxonal region,neuron projection,nucleoplasm,nucleus,plasma membrane,PML body,postsynaptic density |
| 纯化 | Affinity purification |

抗原信息

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| 抗原信息 | A synthetic phosphorylated peptide around S380 & T382 & T383 of human PTEN (NP_000305.3). |
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靶点信息

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| 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,Phospho-PTEN-S380/T382/383 Rabbit pAb,Inositol polyphosphate 3-phosphatase,Mutated in multiple advanced cancers 1,Phosphatase and tensin homolog |

产品验证

实验步骤

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