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AKT1/2/3 Rabbit mAb

货号: AYM28573

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC IF/ICC IP FC
推荐浓度	**WB:** 1:500 - 1:2000 **IHC:** 1:50 - 1:200 **IF/ICC:** 1:50 - 1:200 **IP:** 1:20 - 1:50 **FC:** 1:20 - 1:50
理论分子量	48kDa/55kDa/51kDa/54kDa
实测分子量	56kDa
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	MCF7,Mouse brain,Rat brain
细胞定位	ciliary basal body,cytoplasm,cytosol,microtubule cytoskeleton,mitochondrion,nucleoplasm,nucleus,plasma membrane,spindle
纯化	Affinity purification

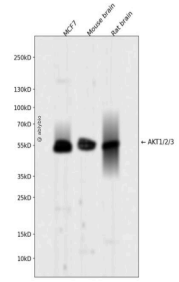
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human AKT1/2/3 .

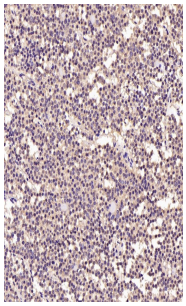
靶点信息

研究背景	Human AKT serine-threonine protein kinase family includes three members AKT1,AKT2, AKT3, which are al so often referred to as protein kinase B alpha, beta, and gamma. These highly similar AKT proteins all hav e an N-terminal pleckstrin homology domain, a serine/threonine-specific kinase domain and a C-terminal regulatory domain. These proteins are phosphorylated by phosphoinositide 3-kinase (PI3K). AKT/PI3K for ms a key component of many signalling pathways that involve the binding of membrane-bound ligands s uch as receptor tyrosine kinases, G-protein coupled receptors, and integrin-linked kinase. These AKT prot eins therefore regulate a wide variety of cellular functions including cell proliferation, survival, metabolis m, and angiogenesis in both normal and malignant cells. AKT proteins are recruited to the cell membrane by phosphatidylinositol 3,4,5-trisphosphate (PIP3) after phosphorylation of phosphatidylinositol 4,5-bisph osphate (PIP2) by PI3K. Subsequent phosphorylation of both threonine residue 308 and serine residue 47 3 is required for full activation of the AKT1 protein encoded by this gene.
基因ID	207,208,10000
基因名	AKT1,AKT2,AKT3
Swiss	P31749P31751Q9Y243 (https://www.uniprot.org/uniprotkb/P31749P31751Q9Y243/entry)
别名	AKT1/2/3,AKT1/2/3 Rabbit mAb,AKT1,AKT2,AKT3

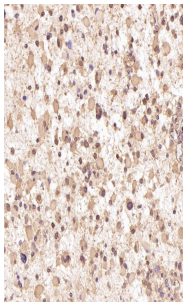
产品验证



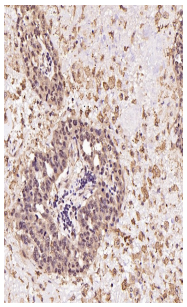
Western blot analysis of AKT1/2/3 expressed in MCF7,Mouse brain,Rat brain using AKT1/2/3 Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



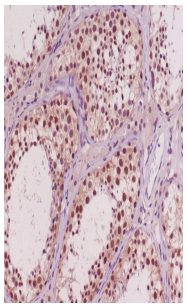
Immunohistochemical analysis of paraffin-embedded Human pituitary tumor, using the Antibody at 1:250 dilution.



Immunohistochemical analysis of paraffin-embedded Human astrocytoma, using the Antibody at 1:250 dil ution.



Immunohistochemical analysis of paraffin-embedded Human ovarian cancer, using the Antibody at 1:1000 dilution.



Immunohistochemical analysis of paraffin-embedded human testis, using Akt(pan)1/2/3 Antibody.

实验步骤

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