AKT1-Specific Recombinant antibody

Cat:B36209S

Company： HaoKebio

Uniprot ID:P31749

Organism: Rabbit

Species reactivity: Human Mouse

Molecular Weight Calculation: 53 kDa

Observed Molecular Weight: 56-62 kDa

Applications: IHC:1:50-1:500

IHC-Polymer:1:200-1:2000

IHC-TSA:1:250-1:2500

WB:1:5000-1:50000

Background:

AKT is a serine/threonine kinase and it participates in the key role of the PI3K signaling pathway. Phosphatidylinositol-3 kinase (PI3K) is the key regulator of AKT activation. The recruitment of inactive AKT protein to PIP3-rich areas of the plasma membrane results in a conformational change that exposes the activation loop of AKT. AKT's activating kinase, phosphoinositide-dependent protein kinase (PDK1) , is also recruited to PIP3 microdomains. PDK1 phosphorylates AKT on threonine 308 (Thr308) of the exposed activation loop, activating AKT and leading to a second phosphorylation of AKT at serine 473 (Ser473) by a kinase presumed to be mTORC2 that further potentiates kinase activity. Active AKT will phosphorylate various downstream protein targets that control cell growth and translational control and act to suppress apoptosis.80457-1-RR specifically recognizes AKT1.

Synonyms:

AKT1 (C-terminal), AKT, AKT 1, AKT1, 4I5

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm,Membrane,Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02%sodium azide,100 μg/ml BSA and 50% glycerol.

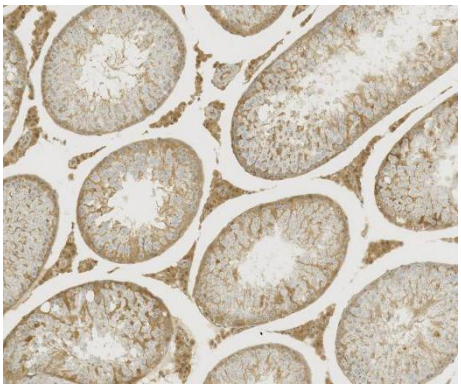
Storage:

Store at -20 ℃ for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes.Incubate antibody, 4℃ overnight.Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse testis, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:AKT1-Specific(B36209S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:AKT1-Specific(B36209S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

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