RPS6 (phospho-S240) polyclonal antibody

Catalog: BCP01473 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Ribosomal protein S6 is a component of the small 40S ribosomeal subunit and belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 29 kDa

Swiss-Prot:

P62753

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

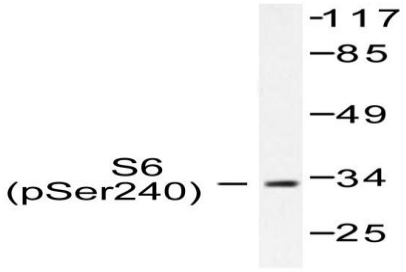
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

p-Ribosomal Protein S6 (S240) polyclonal antibody detects endogenous levels of Ribosomal Protein S6 protein only when phosphorylated at Ser240

DATA:



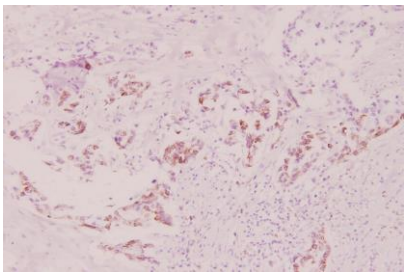
Western blot (WB) analysis of RPS6 (phospho-S240) polyclonal antibody at 1:500 dillution

Lane1:Hela whole cell lysate(40μg)

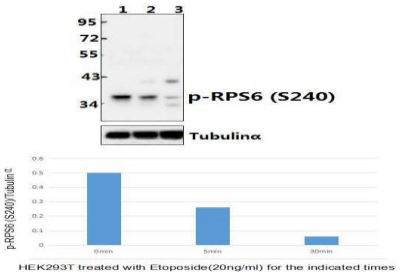
Lane2:Hela treated with serum starved(24h) whole cell lysate(40μg)

Lane3:PC12 whole cell lysate(40μg)

Lane4:PC12 treated with serum starved(24h) whole cell lysate(40μg)



Immunohistochemistry (IHC) analyzes of p-RPS6 (S240) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



Western blot (WB) analysis of RPS6 (phospho-S240) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:HEK293T treated with insulin(20ng/ml) for 15 minutes whole cell lysate(40ug)

Lane3:HEK293T treated with insulin(20ng/ml) for 30 minutes whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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