RPS6 (L234) polyclonal antibody

Catalog: BCP01471 Host: Rabbit Reactivity: Human,Rat,Mouse

BackGround:

One way that growth factors and mitogens effectively promote sustained cell growth and proliferation is by up-regulating mRNA translation. Growth factors and mitogens induce the activation of p70 S6 kinase and the subsequent phosphorylation of the S6 ribosomal protein. Phosphorylation of S6 ribosomal protein correlates with an increase in translation of mRNA transcripts that contain an oligopyrimidine tract in their 5' untranslated regions. These particular mRNA transcripts (5'TOP) encode proteins involved in cell cycle progression, as well as ribosomal proteins and elongation factors necessary for translation. Important S6 ribosomal protein phosphorylation sites include several residues (Ser235, Ser236, Ser240, and Ser244) located within a small, carboxy-terminal region of the S6 protein.

Product:

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

Molecular Weight:

~ 32 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: 1:5000~1:10000

IP: 1:50~1:200

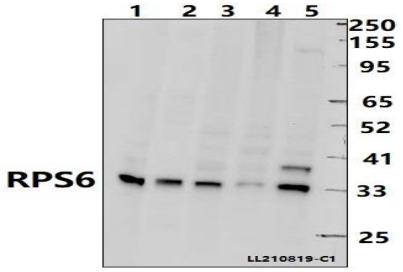
Storage&Stability:

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

Specificity:

RPS6 (L234) polyclonal antibody detects endogenous levels of RPS6 protein.

DATA:



Western blot (WB) analysis of RPS6 (L234) pAb at 1:5000 dilution

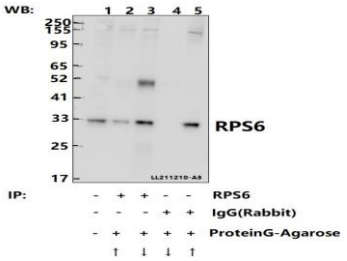
Lane1:AML-12 whole cell lysate(40ug)

Lane2:The Liver tissue lysate of Mouse(40ug)

Lane3:Hela whole cell lysate(40ug)

Lane4:Jurket whole cell lysate(40ug)

Lane5:THP-1 whole cell lysate(40ug)



Immunoprecipitation of HEK293T cell lysates using RPS6 pAb (Sepharose Bead Conjugate)#BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane 4 and lane 5) .Lane 1 is 30% input. The western blot was probed using RPS6 pAb.

Note:

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

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