

Rsk-1 (phospho-S380) polyclonal antibody

Catalog: BCP01479

Host: Rabbit

Reactivity: Human

BackGround:

The family of ribosomal S6 kinases (Rsk), designated Rsk-1 (or MAPKAP kinase-1), Rsk-2 and Rsk-3, are intracellular serine/threonine kinases that are important signaling intermediates in response to a broad range of ligand activated receptor tyrosine kinases. A unique feature common to the members of the Rsk family is that each possesses two non-identical complete kinase catalytic domains. An additional Rsk protein, Rsk-4, shows a high level of homology to the three previously isolated members of the human Rsk family. Rsk-4 is most abundantly expressed in brain and kidney and plays a role in normal neuronal development.

Product:

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

Molecular Weight:

~ 90 kDa

Swiss-Prot:

Q15418

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: 1:1000~1:2000

IHC: 1:50~1:200

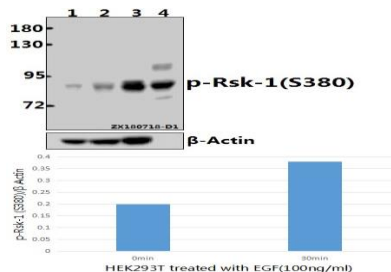
Storage&Stability:

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

Specificity:

p-Rsk-1 (S380) polyclonal antibody detects endogenous levels of Rsk-1 protein only when phosphorylated at Ser380.

DATA:



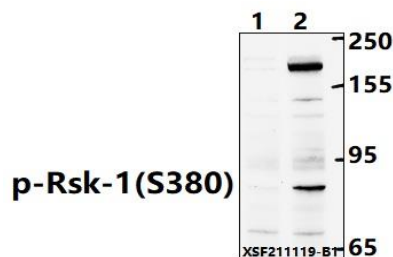
Western blot (WB) analysis of p-Rsk-1 (S380) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:HEK293T treated with EGF(100ng/ml,30 minutes) whole cell lysate(40ug)

Lane3:The Spleen tissue lysate of Mouse(40ug)

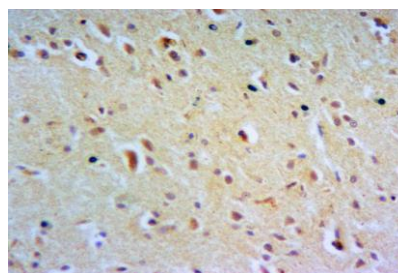
Lane4:The Heart tissue lysate of Rat(40ug)



Western blot (WB) analysis of Rsk-1 (Phospho-S380) polyclonal antibody at 1:1000 dilution

Lane1:HeLa treated with λ -phosphatase whole cell lysate(40ug)

Lane2:HeLa whole cell lysate(40ug)



Immunohistochemistry of paraffin-embedded Rat Brain using p-Rsk-1 (S380) antibody at dilution of 1:50.

Note:

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