Anti-Ribosomal S6 Kinase 2

Catalog Number: 1850-RSK2  
Size: 100 µl

Product Description: Affinity purified rabbit polyclonal antibody

Applications: WB: 1:1000

Antigen: Peptide corresponding to amino acid residues from the C-terminal region of mouse ribosomal S6 kinase 2, conjugated to keyhole limpet hemocyanin (KLH).

Species Reactivity: The antibody has been demonstrated to work in mouse, human and rat tissue. It is anticipated that the antibody will work in bovine, canine, chicken and non-human primate tissues based on the fact that these species have 100% homology with the amino acid sequence used as antigen.

Biological Significance: The p90 ribosomal S6 kinases (RSK)1–4 are downstream members of the extracellular signal-regulated kinase (ERK)/MAPK cascade. The loss of RSK2 activity in humans leads to Coffin–Lowry syndrome, which is characterized by mental retardation and growth deficits (Hanauer and Young, 2002). Recent work suggests that RSK2 exerts a tonic regulation on G-protein coupled signaling (Sheffler et al., 2006).

Western blot of HeLa lysate showing specific immunolabeling of the ~90k RSK2 protein.
**Purification Method:** Prepared from rabbit serum by affinity purification via chromatography on an affinity column made with the C-terminal peptide used as antigen.

**Antibody Specificity:** Specific for ~90k RSK2 protein.

**Quality Control Tests:** Western Blots performed on each lot.

**References:**