

# Product Data Sheet

## S6K1 (pS418) Blocking Peptide

| Catalog #                 | Source  | Reactivity              | Applications |
|---------------------------|---|-------------------------|--------------|
| CBP2030                   | Synthetic   | H, M, R, B, C, D, P, Rb | BL           |
| <b>Description</b>        | The peptide is used to block Anti-S6K1 (pS418) Antibody (#CPA2030) reactivity.  |                         |              |
| <b>Form</b>               | Lyophilized powder  |                         |              |
| <b>Gene Symbol</b>        | RPS6KB1   |                         |              |
| <b>Alternative Names</b>  | STK14A; Ribosomal protein S6 kinase beta-1; S6K-beta-1; S6K1; 70 kDa ribosomal protein S6 kinase 1; P70S6K1; p70-S6K 1; Ribosomal protein S6 kinase I; Serine/threonine-protein kinase 14A; p70 ribosomal S6 kinase alpha; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA |                         |              |
| <b>Entrez Gene</b>        | 6198 (Human); 72508 (Mouse); 83840 (Rat)  |                         |              |
| <b>SwissProt</b>          | P23443 (Human); Q8BSK8 (Mouse); P67999 (Rat)  |                         |              |
| <b>Purity</b>             | >85%  |                         |              |
| <b>Quality Control</b>    | The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.   |                         |              |
| <b>Directions for Use</b> | Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4°C for overnight or at room temperature for 2 hours.   |                         |              |
| <b>Storage/Stability</b>  | Shipped at 4°C. Store at -20°C for one year.  |                         |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

### COHESION BIOSCIENCES LIMITED

**WEB**  
www.cohesionbio.com

**ORDER**  
order@cohesionbio.com

**SUPPORT**  
techsupport@cohesionbio.com

**CUSTOM**  
custom@cohesionbio.com