**Human/Mouse/Rat Phospho-RSK1 (S221)/RSK2 (S227) Antibody**

**Antigen Affinity-purified Polyclonal Rabbit IgG**

**Catalog Number:** AF892

### DESCRIPTION

**Species Reactivity**
Human/Mouse/Rat

**Specificity**
Detects human, mouse, and rat RSK1 when phosphorylated at S221, and human and mouse RSK2 when phosphorylated at S227.

**Source**
Polyclonal Rabbit IgG

**Purification**
Antigen Affinity-purified

**Immunogen**
Phosphopeptide containing human RSK1 S221 site

**Formulation**
Supplied as a 0.2 µm filtered solution in PBS with Sodium Azide. See Certificate of Analysis for details.

*Small pack size (SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
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<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>0.5 µg/mL</td>
<td>See Below</td>
</tr>
<tr>
<td>Immunohistochemistry</td>
<td>5-15 µg/mL</td>
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### DATA

**Western Blot**

Detection of Human Phospho-RSK1 (S221) and RSK2 (S227) by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line untreated (-) or treated (+) with 200 nM PMA for the indicated times. PVDF membrane was probed with 0.5 µg/mL of Rabbit Anti-Human/Mouse/Rat Phospho-RSK1 (S221)/RSK2 (S227) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF892), followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Phospho-RSK1 (S221) and RSK2 (S227) at approximately 90 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

**Immunohistochemistry**

RSK1/RSK2 in Mouse Brain. RSK1/RSK2 was detected in perfusion fixed frozen sections of mouse brain (Purkinje cells in cerebellum) using 15 µg/mL Rabbit Anti-Human/Mouse/Rat Phospho-RSK1/RSK2 (RSK1 S221, RSK2 S227) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF892) overnight at 4 °C. Tissue was stained with the Anti-Rabbit HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS005) and counterstained with hematoxylin (blue). View our protocol for Chromogenic IHC Staining of Frozen Tissue Sections.

### PREPARATION AND STORAGE

**Shipping**
The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

**Stability & Storage**
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C, as supplied.
- 1 month, 2 to 8 °C under sterile conditions after opening.
- 6 months, -20 to -70 °C under sterile conditions after opening.