

## Anti-RPS6KB1 antibody (426-525) (STJ119077)

### GENERAL INFORMATION

|               |                       |
|---------------|-----------------------|
| Product Type  | Primary antibodies    |
| Applications  | WB/IHC-P/IF/ICC/ELISA |
| Host / Source | Rabbit                |
| Reactivity    | Human/Mouse/Rat       |

### PRODUCT PROPERTIES

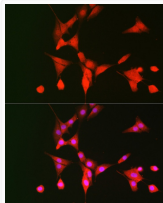
|                     |                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Polyclonal                                                                                                                                                                                         |
| Concentration       | Lot specific                                                                                                                                                                                       |
| Conjugation         | Unconjugated                                                                                                                                                                                       |
| Purification        | Affinity purification                                                                                                                                                                              |
| Dilution Range      | WB:1:500-1:1000<br>IHC-P:1:50-1:200<br>IF/ICC:1:50-1:200<br>ELISA:Recommended starting concentration is 1 $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation         | PBS with 0.01% Thimerosal, 50% Glycerol, pH 7.3.                                                                                                                                                   |
| Isotype             | IgG                                                                                                                                                                                                |
| Molecular Weight    | Protein Mw: 59kDa<br>Observed Mw: 70kDa                                                                                                                                                            |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                                                     |

### TARGET INFORMATION

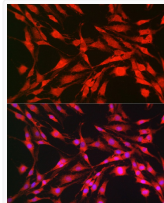
|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">6198</a>                                                                                         |
| Gene Symbol        | <a href="#">RPS6KB1</a>                                                                                      |
| UniProt ID         | <a href="#">KS6B1_HUMAN</a>                                                                                  |
| Immunogen Region   | 426-525                                                                                                      |
| Immunogen Sequence | FSFEPKIRSPRRFIGSPRTP VSPVKFSPGDFWGRGASAST ANPQTPVEYPMETSGIEQMD<br>VTMSGEASAPLPIRQPNSSGP YKKQAFPMISKRPEHLRMNL |
| Specificity        | A synthetic peptide corresponding to a sequence within amino acids 426-525 of human P70 S6K (NP_003152.1).   |

### ADDITIONAL INFORMATION

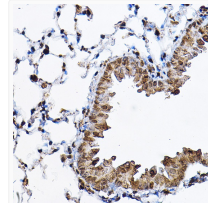
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



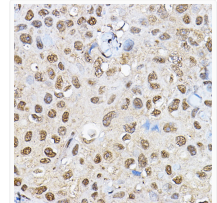
Immunofluorescence analysis of NIH/3T3 cells using p70 S6 Kinase 1 Rabbit polyclonal antibody (STJ119077) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



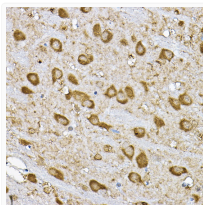
Immunofluorescence analysis of C6 cells using p70 S6 Kinase 1 Rabbit polyclonal antibody (STJ119077) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



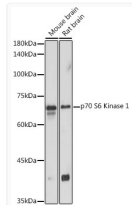
Immunohistochemistry analysis of p70 S6 Kinase 1 in paraffin-embedded mouse lung using p70 S6 Kinase 1 1 Rabbit polyclonal antibody (STJ119077) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



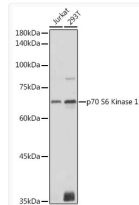
Immunohistochemistry analysis of p70 S6 Kinase 1 in paraffin-embedded human breast cancer using p70 S6 Kinase 1 1 Rabbit polyclonal antibody (STJ119077) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of p70 S6 Kinase 1 in paraffin-embedded rat brain using p70 S6 Kinase 1 1 Rabbit polyclonal antibody (STJ119077) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using p70 S6 Kinase 1 Rabbit polyclonal antibody (STJ119077) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



Western blot analysis of various lysates using p70 S6 Kinase 1 Rabbit polyclonal antibody (STJ119077) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.