

## Anti-S6K2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

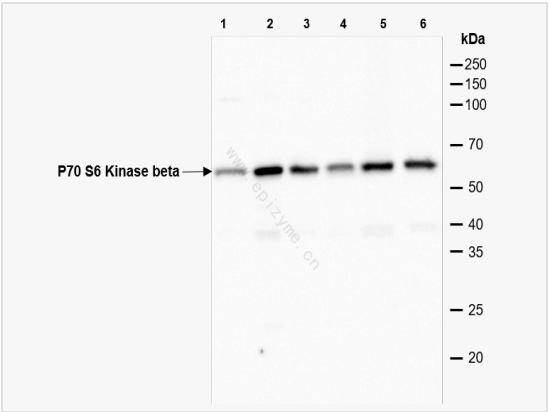
Catalog # R010724

### Product Information

|             |                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| Application | ELISA, WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC                                                                               |
| Reactivity  | Human, Mouse, Rat                                                                                                           |
| Dilution    | WB 1:1,000~1:5,000; IHC-P 1:200; IF 1:100                                                                                   |
| Host        | Rabbit                                                                                                                      |
| Clonality   | Monoclonal                                                                                                                  |
| Clone No.   | 30K11M94                                                                                                                    |
| Isotype     | IgG                                                                                                                         |
| Label       | Unconjugated                                                                                                                |
| Immunogen   | Recombinant protein of human P70 S6 Kinase beta                                                                             |
| Format      | Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-S6K2 antibody [30K11M94] is for research use only and not for use in diagnostic or therapeutic procedures.             |

### Protein Information

|                   |                                                                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms          | P70 S6 Kinase beta, RPS6KB2, STK14B, Ribosomal protein S6 kinase beta-2, S6K-beta-2, S6K2, 70 kDa ribosomal protein S6 kinase 2, P70S6K2, p70-S6K 2, S6 kinase-related kinase, SRK, Serine/threonine-protein kinase 14B, p70 ribosomal S6 kinase beta, S6K-beta, p70. |
| Calculated MW     | Calculated MW: 53 kDa; Observed MW: 54 kDa                                                                                                                                                                                                                            |
| Uniprot ID        | Q9UBS0                                                                                                                                                                                                                                                                |
| Gene ID           | 6199                                                                                                                                                                                                                                                                  |
| Background        | Phosphorylates specifically ribosomal protein S6.                                                                                                                                                                                                                     |
| Cellular Location | Cytoplasm, Nucleus.                                                                                                                                                                                                                                                   |
| Tissue Location   | Low tissue specificity.                                                                                                                                                                                                                                               |



Western Blot - Anti-S6K2 Rabbit mAb [30K11M94]

All lanes: R010724 at 1:5,000 dilution

Lane 1: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Jurkat (human T lymphocytic leukemia cell) whole cell lysates

Lane 3: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 5: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 6: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

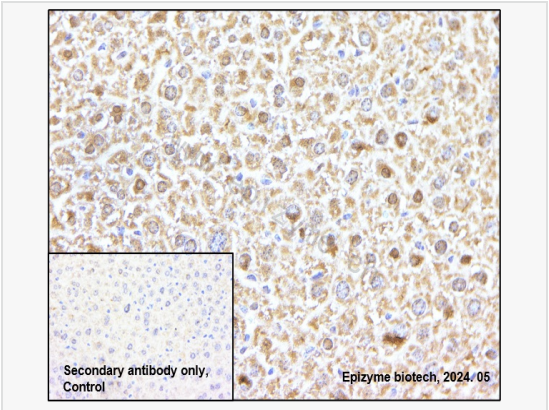
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 53 kDa

Observed band size: 54 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-S6K2 Rabbit mAb [30K11M94]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse liver tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R010724 at 1:200 dilution

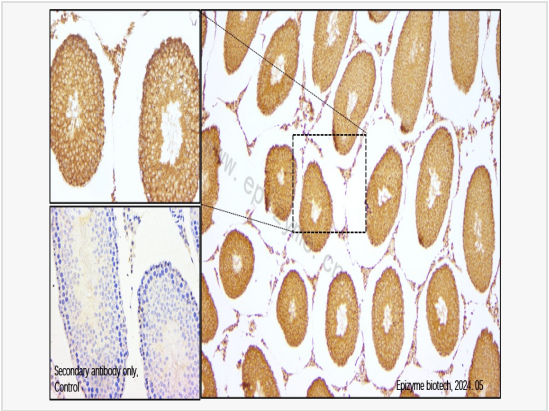
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-S6K2 Rabbit mAb [30K11M94]

Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R010724 at 1:200 dilution

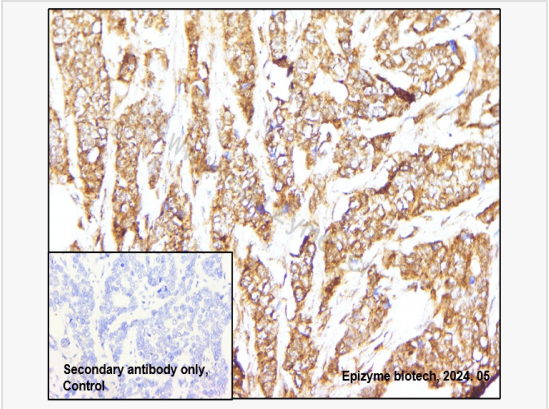
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-S6K2 Rabbit mAb [30K11M94]

Sample: Paraformaldehyde-fixed, paraffin embedded human breast carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R010724 at 1:200 dilution

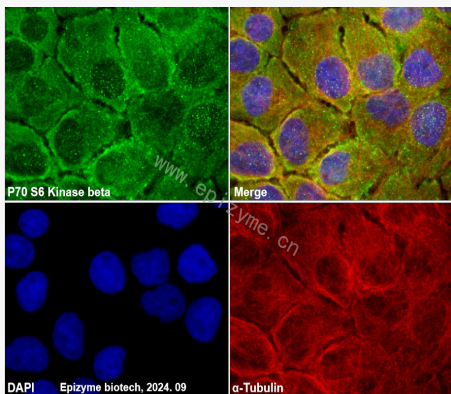
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



# Immunofluorescence - Anti-S6K2 Rabbit mAb [30K11M94]

Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R010724 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).