# Anti-Phospho-RSK1 p90 (Thr573) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014400

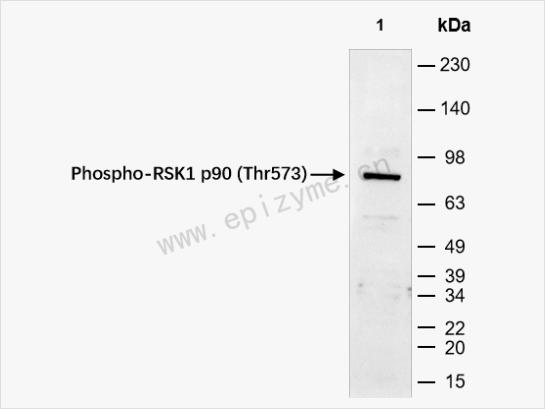
## Product Information

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|---|---|
| Application | WB, IF (Cell)/ICC, ELISA |
| Reactivity | Human |
| Dilution | WB 1:1,000~1:2,000; IF 1:100~1:200 |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone No. | 32M43J11 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | Recombinant protein of mouse Phospho-RSK1 p90 (Thr573) |
| 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-Phospho-RSK1 p90 (Thr573) Rabbit mAb [32M43J11] is for research use only and not for use in diagnostic or therapeutic procedures. |

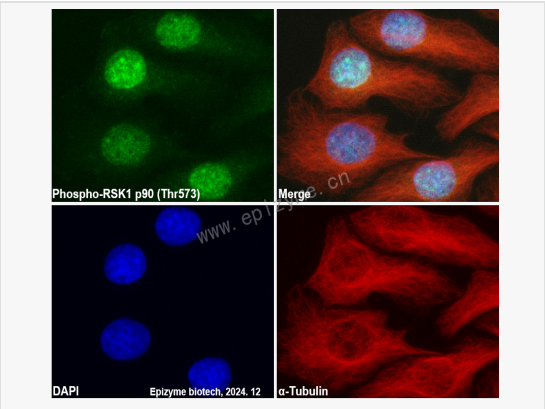
## Protein Information

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|---|---|
| Synonyms | 90 kDa ribosomal protein S6 kinase 1, dJ590P13.1 (ribosomal protein S6 kinase, 90kD, polypeptide 1, dJ590P13.1, EC 2.7.11.1, HU 1, HU1, KS6A1_HUMAN, MAP kinase activated protein kinase 1a, MAP kinase-activated protein kinase 1a, MAPK-activated protein kinase 1a, MAPKAP kinase 1a, MAPKAPK-1a, MAPKAPK1A, MGC79981, Mitogen-activated protein kinase-activated protein kinase 1A, OTTHUMP00000004113, p90 RSK1, p90-RSK 1, p90rsk, p90RSK1, p90S6K, pp90RSK1, Ribosomal protein S6 kinase 90kD 1, Ribosomal protein S6 kinase 90kD polypeptide 1, Ribosomal protein S6 kinase 90kDa polypeptide 1, Ribosomal protein S6 kinase alpha 1, Ribosomal protein S6 kinase alpha-1, Ribosomal protein S6 kinase polypeptide 1, Ribosomal S6 kinase 1, RPS6K1 alpha, rps6ka, Rps6ka1, RSK 1, RSK 1 p90, RSK, RSK-1, RSK1, RSK1p90, S6K alpha 1, S6K-alpha-1. |
| Calculated MW | Calculated MW: 83 kDa; Observed MW: 90 kDa |
| Uniprot ID | Q15418 |
| Gene ID | 6195 |
| Background | This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008] |

## Validation Images




Western Blot - Anti-Phospho-RSK1 p90 (Thr573) Rabbit mAb [32M43J11]
All lanes: R014400 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma 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: 83 kDa
Observed band size: 90 kDa
Developed using the ECL technique (Cat. No. SQ201).




Immunofluorescence - Anti-Phospho-RSK1 p90 (Thr573) Rabbit mAb [32M43J11]
Sample: HeLa 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: R014400 at 1:100 dilution and α-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).