

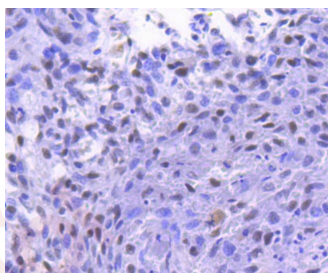
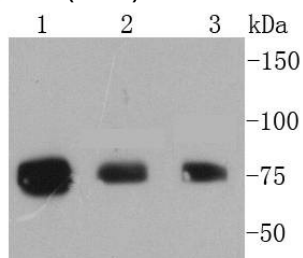
## Anti-Phospho-RPS6KA1 (Thr359, Ser363) Antibody (9N204)

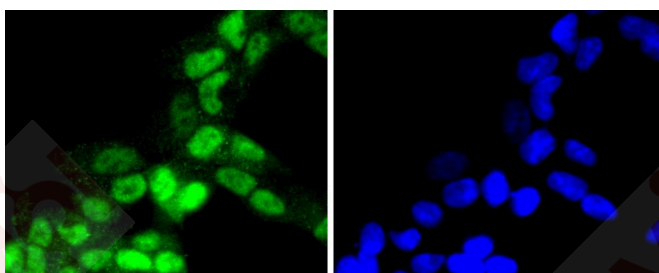
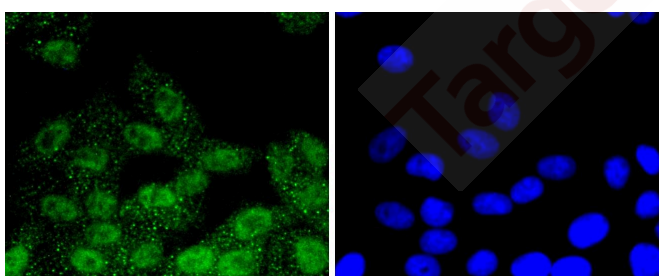
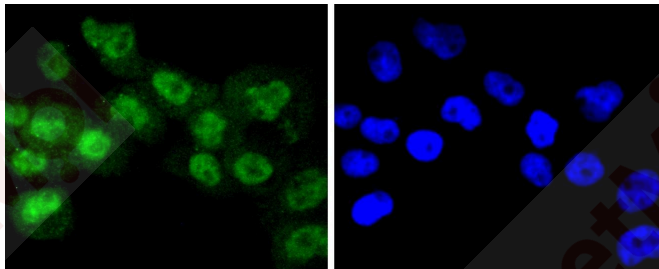
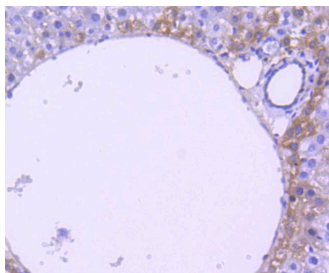
### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 90 kDa.
Clone:	9N204
Purification:	ProA affinity purified

### Applications

1. Western blot analysis of Phospho-RSK1 p90 (T359+S363) on different lysates using anti-Phospho-RSK1 p90 (T359+S363) antibody at 1/1,000 dilution. Positive control: Lane 1: A431, Lane 2: 293, Lane 3: MCF-7.
2. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Phospho-RSK1 p90 (T359+S363) antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Phospho-RSK1 p90 (T359+S363) antibody. Counter stained with hematoxylin.
4. ICC staining Phospho-RSK1 p90 (T359+S363) in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining Phospho-RSK1 p90 (T359+S363) in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining Phospho-RSK1 p90 (T359+S363) in 293 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC,IHC,IP,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC: 1:50-200

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: A synthesized phosphopeptide: human RSK1 p90 around the phosphorylation site of Thr359 and Ser363

Antigen Species: Human

Uniprot ID: Q15418

Synonyms: Ribosomal protein S6 kinase 90kD polypeptide 1;MAPKAPK-1a;p-RPS6KA1 (Thr359, Ser363);HU 1;Ribosomal protein S6 kinase alpha 1;OTTHUMP00000004113;90 kDa ribosomal protein S6 kinase 1;HU1;Ribosomal S6 kinase 1;polypeptide 1;p-RPS6KA1 (T359, S363);MAPKAP kinase 1a;KS6A1\_HUMAN;ribosomal protein S6 kinase;90kD;MAPKAPK1A;MAP kinase activated protein kinase 1a;S6K-alpha-1;EC 2.7.11.1;p90RSK1;Phospho-RPS6KA1 (T359, S363);RSK 1 p90;

dj590P13.1;RSK 1;p90 RSK1;RPS6KA1 (p-Thr359, Ser363);rps6ka;RSK1;p90S6K;Ribosomal protein S6 kinase polypeptide 1;RSK;RSK1p90;S6K alpha 1;Mitogen-activated protein kinase-activated protein kinase 1A;MGC79981;pp90RSK1;RPS6K1 alpha;RPS6KA1 (p-T359, S363)

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### Research Background

The family of ribosomal S6 kinases (Rsk), designated Rsk-1 (or MAPKAP kinase-1), Rsk-2 and Rsk-3, are intracellular serine/threonine kinases that are important signaling intermediates in response to a broad range of ligand activated receptor tyrosine kinases. A unique feature common to the members of the Rsk family is that each possesses two non-identical complete kinase catalytic domains. An additional Rsk protein, Rsk-4, shows a high level of homology to the three previously isolated members of the human Rsk family. Rsk-4 is most abundantly expressed in brain and kidney and plays a role in normal neuronal development. The family of ribosomal S6 kinases includes p70 S6 kinase and p70 S6 kinase &beta;, which are thought to have similar regulatory functions. MSK1 (also designated RLPK) is a novel Rsk-related protein, which, like the p90 Rsk family members, contains two non-identical complete kinase catalytic domains.

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