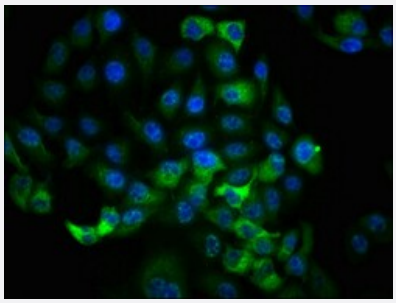
RecomAb™ Sm Size

# RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody, clone 1B6

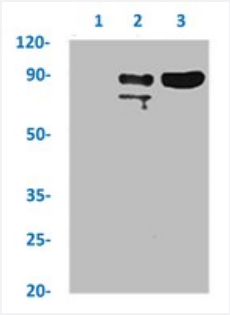
Catalog # RAB08005 Size 50 uL

## Applications



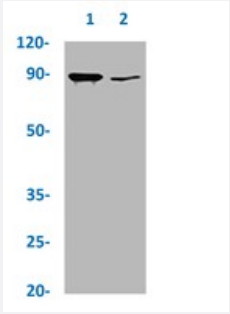
### Immunofluorescence

Immunofluorescent staining of Hela cells with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).




### Immunoprecipitation

Immunoprecipitation analysis of HeLa whole cell lysate with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody.
Lane 1: rabbit control IgG,
Lane 2: RAB08005 precipitates and
Lane 3 : Input (Hela whole cell lysates).




### Western Blot

Western blot analysis of HepG2 whole cell lysate with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody.
Lane 1: Treated with EGF 100 ng/ml 20mins and
Lane 2: Not treated with EGF.

## Specification

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| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human RPS6KA1. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic phosphopeptide corresponding to residues surroundin g T359/S363 of human RPS6KA1. |
| **Theoretical MW (kDa)** | Calculated MW: 90 kD |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Immunofluorescence (1:20-1:200)<br>Immunoprecipitation (1:200-1:1000)<br>Western Blot (1:500-1:5000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide) |
| **Storage Instruction** | store at -20 °C or -80 °C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunofluorescence

  Immunofluorescent staining of Hela cells with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

- Immunoprecipitation

  Immunoprecipitation analysis of HeLa whole cell lysate with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody.
  Lane 1: rabbit control IgG,
  Lane 2: RAB08005 precipitates and
  Lane 3 : Input (Hela whole cell lysates).

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- Western Blot

Western blot analysis of HepG2 whole cell lysate with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody.
Lane 1: Treated with EGF 100 ng/ml 20mins and
Lane 2: Not treated with EGF.

## Gene Info — RPS6KA1

| | |
|---|---|
| **Entrez GeneID** | 6195 |
| **Protein Accession#** | Q15418 |
| **Gene Name** | RPS6KA1 |
| **Gene Alias** | HU-1, MAPKAPK1A, RSK, RSK1 |
| **Gene Description** | ribosomal protein S6 kinase, 90kDa, polypeptide 1 |
| **Omim ID** | 601684 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinase s. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substr ates, 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 transcript ional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000004113\|S6K-alpha 1\|dJ590P13.1 (ribosomal protein S6 kinase, 90kD, polypep tide 1)\|p90-RSK 1\|ribosomal protein S6 kinase alpha 1\|ribosomal protein S6 kinase, 90kD, 1\|ribo somal protein S6 kinase, 90kD, polypeptide 1 |

## Pathway

- Long-term potentiation
- MAPK signaling pathway
- mTOR signaling pathway
- Neurotrophin signaling pathway

## Disease

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- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Kidney Failure

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