Datasheet for ABIN7601592

# anti-RPS6KA3 antibody (AA 393-733)

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µg |
| Target: | RPS6KA3 |
| Binding Specificity: | AA 393-733 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RPS6KA3 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

## Product Details

| | |
|---|---|
| Purpose: | Anti-Rsk 2/MAPKAP Kinase 1b/RPS6KA3 Picoband® Antibody |
| Immunogen: | E.coli-derived human Rsk 2/MAPKAP Kinase 1b/RPS6KA3 recombinant protein (Position: D393-K733). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-Rsk 2/MAPKAP Kinase 1b/RPS6KA3 Picoband® Antibody (ABIN7601592). Tested in ELISA, Flow Cytometry, IP, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |

## Product Details

| | |
|---|---|
| Purification: | Immunogen affinity purified. |

## Target Details

| | |
|---|---|
| Target: | RPS6KA3 |
| Alternative Name: | RPS6KA3 (RPS6KA3 Products) |
| Background: | Synonyms: Ribosomal protein S6 kinase alpha-3, S6K-alpha-3, 90 kDa ribosomal protein S6 kinase 3, p90-RSK 3, P90rsk3, Insulin-stimulated protein kinase 1, ISPK-1, MAP kinase-activated protein kinase 1b, MAPK-activated protein kinase 1b, MAPKAP kinase 1b, MAPKAPK-1b, Ribosomal S6 kinase 2, RSK-2, pp90RSK2, RPS6KA3, ISPK1, MAPKAPK1B, RSK2<br>Tissue Specificity: Broadly expressed with higher expression in heart.<br>Background: Ribosomal protein S6 kinase, 90 kDa, polypeptide 3, also known as RPS6KA3, is an enzyme that in humans is encoded by the RPS6KA3 gene. It is mapped to Xp22.12. This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical 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. Mutations in this gene have been associated with Coffin-Lowry syndrome (CLS). |
| Molecular Weight: | 84 kDa |
| Gene ID: | 6197 |
| UniProt: | P51812 |
| Pathways: | MAPK Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades |

## Application Details

| | |
|---|---|
| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat<br>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human<br>Immunoprecipitation, 0.5-2 µg/mL, Human<br>Flow Cytometry(Fixed), 1-3 µg/1x$10^6$ cells, Human<br>ELISA, 0.1-0.5 µg/mL, -<br>1. Delaunoy, J.-P., Abidi, F., Zeniou, M., Jacquot, S., Merienne, K., Pannetier, S., Schmitt, M., Schwartz, C. E., Hanauer, A. Mutations in the X-linked RSK2 gene (RPS6KA3) in patients with Coffin-Lowry syndrome. Hum. Mutat. 17: 103-116, 2001. 2. Delaunoy, J. P., Dubos, A., Marques Pereira, P., Hanauer, A. Identification of novel mutations in the RSK2 gene (RPS6KA3) in |

## Application Details

| | |
|---|---|
| | patients with Coffin-Lowry syndrome. Clin. Genet. 70: 161-166, 2006. 3. Field, M., Tarpey, P., Boyle, J., Edkins, S., Goodship, J., Luo, Y., Moon, J., Teague, J., Stratton, M. R., Futreal, P. A., Wooster, R., Raymond, F. L., Turner, G. Mutations in the RSK2(RPS6KA3) gene cause Coffin-Lowry syndrome and nonsyndromic X-linked mental retardation. Clin. Genet. 70: 509-515, 2006. |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |