

Product Datasheet

RPS6KA5 (N) Antibody, Rabbit Polyclonal (orb131733)

Description	Rabbit polyclonal to RPS6KA5. Ribosomal protein S6 kinase alpha-5 (RPS6KA5) belongs to the protein kinase superfamily, the AGC Ser/Thr protein kinase family, and the S6 kinase subfamily. RPS6KA5 is a serine/threonine-protein kinase that is required for the mitogen or stress-induced phosphorylation of the transcription factors CREB1 and ATF1 and for the regulation of the transcription factors RELA, STAT3 and ETV1/ER81, and that contributes to gene activation by histone phosphorylation and functions in the regulation of inflammatory genes. RPS6KA5 phosphorylates CREB1 and ATF1 in response to mitogenic or stress stimuli such as UV-C irradiation, epidermal growth factor (EGF) and anisomycin. Additionally, RPS6KA5 plays an essential role in the control of RELA transcriptional activity in response to TNF and upon glucocorticoid, associates in the cytoplasm with the glucocorticoid receptor NR3C1 and contributes to RELA inhibition and repression of inflammatory gene expression.
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	WB
Immunogen	N-terminal region of human RPS6KA5
Preservatives	0.01% NaN ₃
Concentration	100 µg/ml BSA
Storage	-20°C
Note	For research use only

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+441223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Application notes	strong>WB: The apparent protein size on WB may be different from the calculated M.W. due to modifications. br> strong>Experiment Notes: Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human RPS6KA5.
Clonality	Polyclonal
Purity	Affinity purification
MW	90
Uniprot ID	O75582
Dilution Range	WB:1:1000-1:3000
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)