

Product Datasheet

Phospho-S6-Ribosomal Protein (Ser240/244) (CD10) rabbit mAb Antibody (orb1946064)

Catalog Number	orb1946064
Category	Antibodies
Description	<p>Ribosomal protein S6 kinase is one of two parallel signaling pathways downstream of mTOR, with the other being 4E-BP1. mTOR phosphorylates and activates S6 kinase, which then phosphorylates ribosomal protein S6. The pathway regulates cell growth and cell cycle progression. The identified phosphorylation sites of S6 are Ser235, Ser236, Ser240, Ser244, and Ser247, which are evolutionarily conserved in higher eukaryotes. Ser236 has been proposed as the primary phosphorylation site. Studies using S6 knockin mice, where all five phosphorylation site serine residues are replaced by alanine, have provided extensive detail on S6 function. These studies support the role phosphorylated S6 plays in regulation of cell size, glucose homeostasis, and protein synthesis.</p>
Clonality	Monoclonal
Species/Host	Rabbit
Isotype	Rabbit IgG1k
Conjugation	Unconjugated
Reactivity	Human, Mouse
Form/Appearance	Liquid
Concentration	0.5 mg/mL
Buffer/Preservatives	1X PBS, 0.02% NaN ₃ , 50% Glycerol, 0.1% rAlbumin
Purification	Protein A+G

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

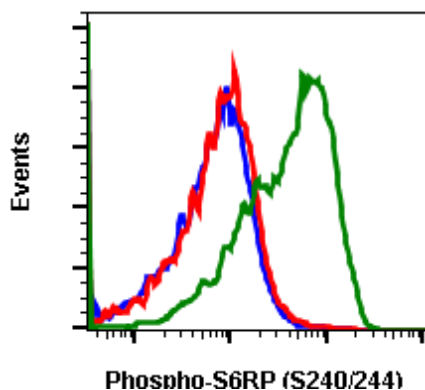
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser240/244 of human phospho S6 Ribosomal protein
UniProt ID	P62753
Tested applications	FC, WB
Dilution range	1µg/mL - 0.001µg/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.
Cross Reactivity	Predicted to work with mouse, rat and other homologues.
Clone Number	S6RPS240244-CD10
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow cytometric analysis of K562 cells, unstained untreated cells as negative control (blue) or stained untreated (red) or treated with EGF A (green) using Phospho-S6 ribosomal protein (Ser240/Ser244) antibody S6S240S244-CD10 at 0.1 ug/mL Cat. #orb1946064.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

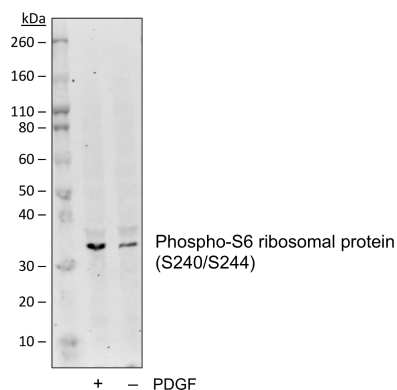
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

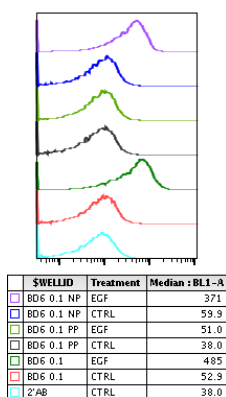
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

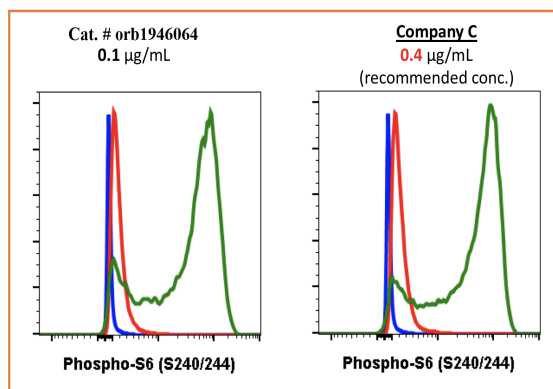
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558



Western blot analysis of NIH3T3 cells untreated or treated with PDGF using S6-Ribosomal Protein (S240/244) antibody S6RPS240/S244-CD10 at 10 ng/mL, Cat# orb1946064



Flow cytometric analysis of K562 cells, unstained untreated cells as negative control (light blue) or stained untreated (red) or treated with EGF (green) or stained untreated and blocked with non-phosphopeptide (blue) or phosphor-peptide (black) or stained treated and blocked with non-phospho-peptide (violet) or treated and blocked with phosphor-peptide (light green) using Phospho-S6 ribosomal protein (Ser240/Ser244) antibody S6S240S244-CD10 at 0.1 ug/mL Cat. #orb1946064.



Flow cytometric analysis of K562 cells secondary antibody only negative control (blue) or untreated (red) or treated with EGF + pervanadate (green) using 0.1ug/mL Phospho-S6 ribosomal protein (Ser240/244) antibody S6S240S244-CD10 (Cat. #orb1946064) or Company C antibody at 0.4ug/mL (manufacturer's recommended concentration).

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558