

# Phospho-S6 (Ser240, Ser244) Recombinant Polyclonal Antibody (11 HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Antibody
Clone	11 HCLC
Conjugate	Unconjugated
Immunogen	Phosphorylated peptide corresponding to Human RPS6 (aa 237-247)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2608370

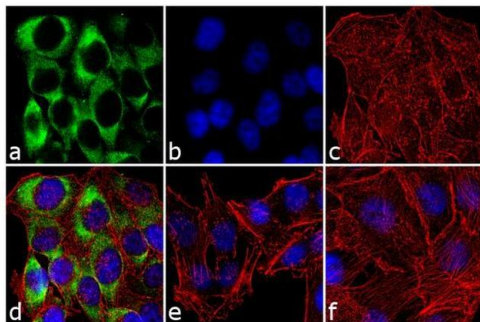
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunocytochemistry (ICC/IF)	1-2 µg/mL	-

## Product Specific Information

This antibody is predicted to react with Monkey, Rat, Mouse, Rabbit and Pig.

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

## Product Images For Phospho-S6 (Ser240, Ser244) Recombinant Polyclonal Antibody (11 HCLC)

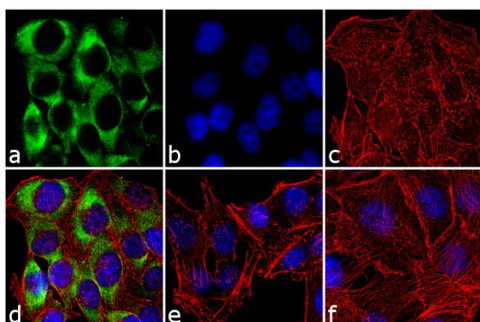


### Phospho-S6 (Ser240, Ser244) Antibody (710877)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Immunofluorescence of Phospho-S6 (Ser240, Ser244) using Anti-Phospho-S6 (Ser240, Ser244) Recombinant Rabbit Polyclonal Antibody (Product # 710877), shows increased expression of Phospho-S6 (Ser240, Ser244) in A-375 cells upon serum starvation and release. {TM}

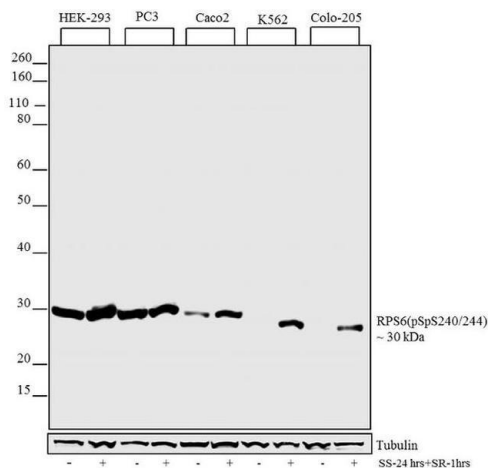
### Phospho-S6 (Ser240, Ser244) Antibody (710877) in ICC/IF

Immunofluorescence was performed on fixed and permeabilized A375 cells which were serum starved (16 hours) and serum released (1 hour) for detection of RPS6 (pSpS240/244) using Anti-RPS6 (pSpS240/244) Recombinant Rabbit Polyclonal Antibody (Product # 710877, 1-2 µg/mL) and labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Panel a) shows representative cells that were stained for detection and localization of RPS6 (pSpS240/244) protein (green), Panel b) is stained for nuclei (blue) using SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). Panel c) represents cytoskeletal F-actin staining using Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d) is a composite image of Panels a, b and c clearly demonstrating cytoplasmic localization of RPS6 (pSpS240/244) Panel e) shows no signal which demonstrates antibody specificity against RPS6 (pSpS240/244) phosphorylated peptide (Antibody was incubated with phosphorylated peptide for 1 hour/37C). Panel f) represents control cells with no primary Antibody to assess background.



### Phospho-S6 (Ser240, Ser244) Antibody (710877) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HEK-293 (1), HEK-293 (Serum starved 24 hours and released for 1 hour) (2), PC3 (3), PC3 (Serum starved 24 hours and released for 1 hour) (4), Caco2 (5), Caco2 (Serum starved 24 hours and released for 1 hour) (6), K562 (7), K562 (Serum starved 24 hours and released for 1 hour) (8), Colo-205 (9) and Colo-205 (Serum starved 24 hours and released for 1 hour) (10). The blots were probed with Anti-RPS6 (pSpS240/244) Recombinant Rabbit Polyclonal Antibody (Product # 710877, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 30 kDa band corresponding to RPS6 (pSpS240/244) was observed across cell lines tested. Treatment response is more evident in cell lines where basal expression is less. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate



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