

# RSK1 Recombinant Polyclonal Antibody (13HCLC)

| Product Details    |                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------|
| Size               | 100 µg                                                                                       |
| Species Reactivity | Human                                                                                        |
| Host/Isotype       | Rabbit / IgG                                                                                 |
| Expression system  | Expi293                                                                                      |
| Class              | Recombinant Polyclonal                                                                       |
| Type               | Antibody                                                                                     |
| Clone              | 13HCLC                                                                                       |
| Conjugate          | Unconjugated                                                                                 |
| Immunogen          | Peptide corresponding to Human RPS6KA1 (aa 377-385)                                          |
| Form               | Liquid                                                                                       |
| Concentration      | 0.5 mg/mL                                                                                    |
| Purification       | Protein A                                                                                    |
| Storage buffer     | PBS, pH 7.4                                                                                  |
| 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_2633195                                                                                   |

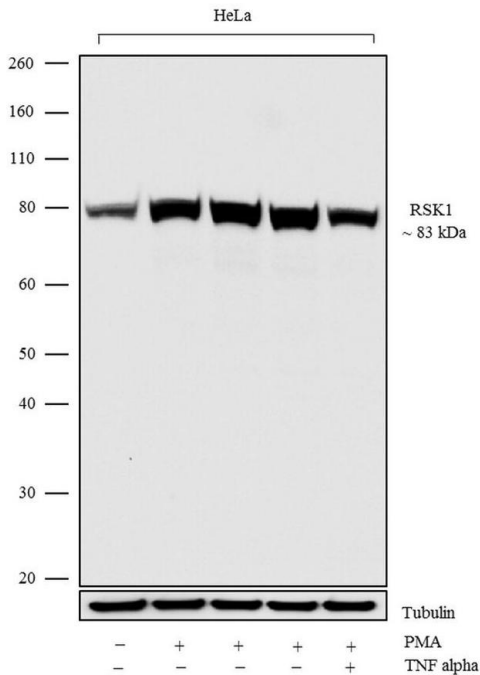
| Applications      | Tested Dilution | Publications |
|-------------------|-----------------|--------------|
| Western Blot (WB) | 1-2 µg/mL       | -            |

## Product Specific Information

This antibody is predicted to react with Monkey, Bovine and Mouse

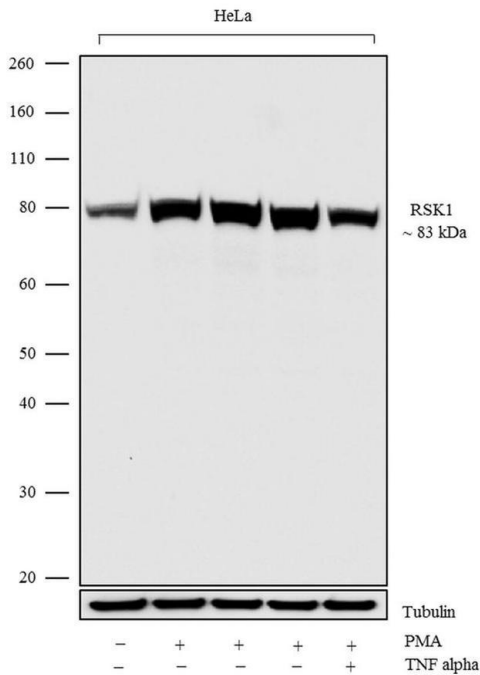
Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - 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 RSK1 Recombinant Polyclonal Antibody (13HCLC)



RSK1 Antibody (711725)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of RSK1 using Anti-RSK1 Recombinant Rabbit Polyclonal Antibody (Product # 711725), shows increased expression of RSK1 in HeLa cells upon treatment with PMA as well as TNF alpha. {TM}



RSK1 Antibody (711725) in WB

Western blot analysis was performed on Whole cell extracts (30 µg lysate) of HeLa (Lane 1), HeLa treated with PMA (200 nM for 5 mins) (Lane 2), HeLa treated with PMA (200 nM for 4hrs) (Lane 3), HeLa treated with PMA (200 nM for overnight) (Lane 4) and HeLa treated with TNF alpha (Serum starved for overnight, 25 ng/mL for 20 mins) (Lane 5). The blots were probed with Anti-RSK1 Recombinant Rabbit Polyclonal Antibody (Product # 711725, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 83 kDa band corresponding to RSK1 was observed across the cell lines tested. 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 Pierce™ ECL Western blotting Substrate (Product # 32106).

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