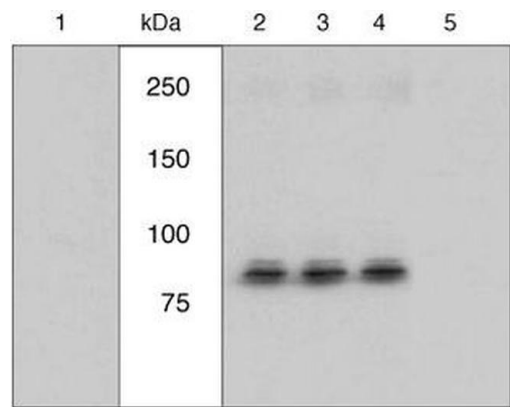


Phospho-RSK1 (Ser221) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Chicken, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human RSK1 that contains serine 221. The sequence is conserved in mouse and rat.
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3, with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2533799

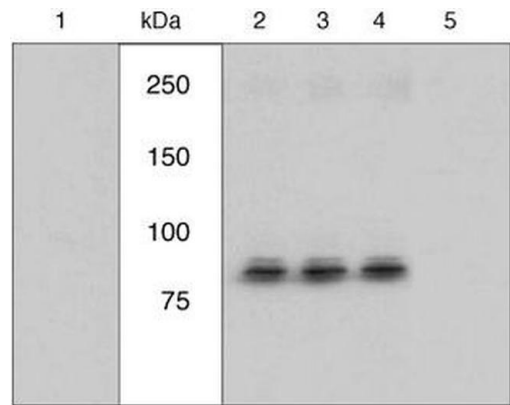
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	-

Product Images For Phospho-RSK1 (Ser221) Polyclonal Antibody



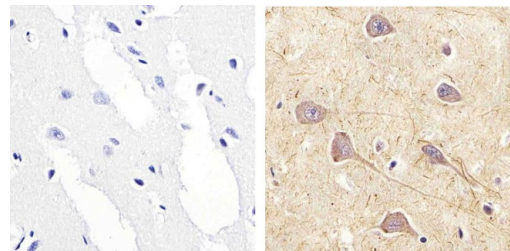
Phospho-RSK1 (Ser221) Antibody (44-924G)

Altered expression of protein upon cell treatment demonstrates antibody specificity. Western blot of RSK1 (pS221) using Anti - RSK1 (pS221) Rabbit Polyclonal Antibody (Product # 44-924G) shows increased expression of RSK1 [pS221] in A431 cells upon PMA treatment. {TM}



Phospho-RSK1 (Ser221) Antibody (44-924G) in WB

Western blot using RSK1 pS221 phosphospecific antibody. A431 cells unstimulated (1) or PMA-stimulated were incubated with anti-RSK1 pS221 antibody (Product # 44-924G) after prior incubation with: no peptide (1, 2), the non-phosphopeptide (3), a generic [pS] peptide (4), or, the phosphopeptide immunogen (5). Data shows RSK phosphorylation by PMA treatment and also demonstrates phospho-antibody specificity by peptide competition.



Phospho-RSK1 (Ser221) Antibody (44-924G) in IHC (P)

Immunohistochemistry analysis of Phospho-RSK1 (pS221) showing staining in the cytoplasm of paraffin-embedded human brain tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Phospho-RSK1 (pS221) polyclonal antibody (Product # 44-924G) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

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