For research purposes only, not for human use

Product Data Sheet

Anti-S6K1 (Phospho-S434) Antibody

Catalog #	Source	Reactivity	Applications
CPA3313	Rabbit	H, M, R, B, C, D, P, Rb	WB, IH

Description	Rabbit polyclonal antibody to S6K1 (Phospho-S434)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S434 of human S6K1 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of S6K1 protein only when phosphorylated at S434.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/100)
Gene Symbol	RPS6KB1
Alternative Names	STK14A; Ribosomal protein S6 kinase beta-1; S6K-beta-1; S6K1; 70 kDa ribosomal protein S6 kinase 1; P70S6K1; p70-S6K 1; Ribosomal protein S6 kinase I; Serine/threonine-protein kinase 14A; p70 ribosomal S6 kinase alpha; p70 S6 kinase alpha; p70 S6K-alpha;
Entrez Gene	6198 (Human); 72508 (Mouse); 83840 (Rat)
SwissProt	P23443 (Human); Q8BSK8 (Mouse); P67999 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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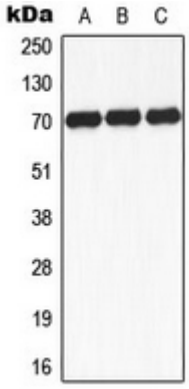
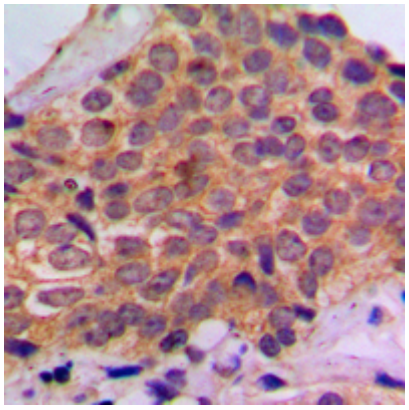


Western blot analysis of S6K1 (Phospho-S434) expression in K562 insulin-treated (A), mouse brain (B), rat brain (C) whole cell lysates. (Predicted band size: 59 kD; Observed band size: 59 kD)



Immunohistochemical analysis of S6K1 (Phospho-S434) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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