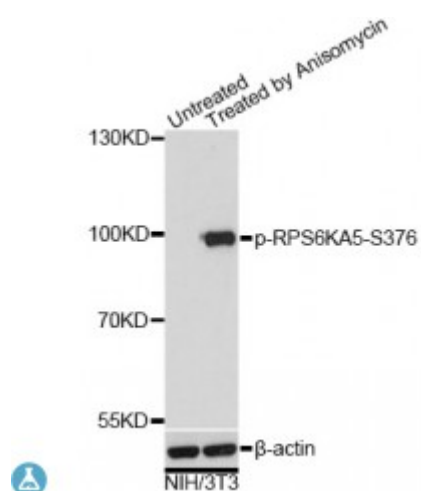


Anti-Phospho-RPS6KA5-(S376) Antibody



Model	STJ117898
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	A synthetic phosphorylated peptide around S376 of human RPS6KA5 (NP_004746.2).
Gene ID	9252
Gene Symbol	RPS6KA5
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed with high levels in heart, brain and placenta, Less abundant in lung, kidney and liver
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Ribosomal protein S6 kinase alpha-5 S6K-alpha-5
Molecular Weight	89.865 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:10434OMIM:603607Reactome:R-HSA-198753

Alternative Names	Ribosomal protein S6 kinase alpha-5 S6K-alpha-5
Function	Serine/threonine-protein kinase that is required for the mitogen or stress-induced phosphorylation of the transcription factors CREB1 and ATF1 and for the regulation of the transcription factors RELA, STAT3 and ETV1/ER81, and that contributes to gene activation by histone phosphorylation and functions in the regulation of inflammatory genes ,
Cellular Localization	Nucleus, Cytoplasm,
Post-translational Modifications	Ser-376 and Thr-581 phosphorylation is required for kinase activity, Ser-376 and Ser-212 are autophosphorylated by the C-terminal kinase domain, and their phosphorylation is essential for the catalytic activity of the N-terminal kinase domain, Phosphorylated at Ser-360, Thr-581 and Thr-700 by MAPK1/ERK2, MAPK3/ERK1 and MAPK14/p38-alpha, Autophosphorylated at Ser-750, Ser-752 and Ser-758 by the N-terminal kinase domain,

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