

Recombinant Phospho-S6 Ribosomal Protein (Ser235, Ser236) Monoclonal Antibody

catalog number: AN302091L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

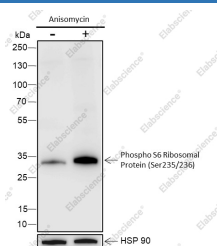
Reactivity	Human;Mouse
Immunogen	phosphorylated human S6 Ribosomal Protein (Ser235/236) peptide
Host	Rabbit
Isotype	Rabbit IgG
Clone	C271712
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

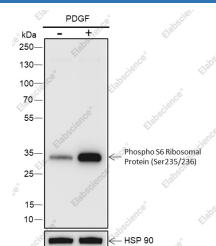
WB	1:500-1:1000
IF	1:100-1:300

Data



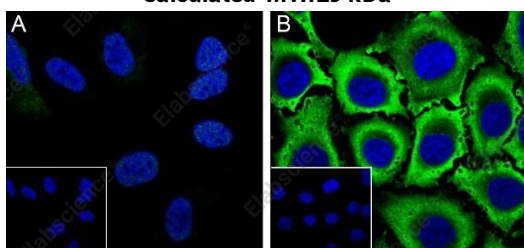
Western Blot with Phospho-S6 Ribosomal Protein (Ser235, Ser236) Monoclonal Antibody at dilution of 1:1000. (-): HeLa; (+): HeLa + Anisomycin (Serum free overnight, 250ng/ml 30min)

Observed-MW:32 kDa
Calculated-MW:29 kDa



Western Blot with Phospho-S6 Ribosomal Protein (Ser235, Ser236) Monoclonal Antibody at dilution of 1:1000. (-): NIH/3T3; (+): NIH/3T3 + PDGF (100ng/ml, 15min)

Observed-MW:32 kDa
Calculated-MW:29 kDa



Immunofluorescent analysis of (4% Paraformaldehyde) fixed (A): HeLa, (B): HeLa + Anisomycin (250ng/ml, 30min) cells using anti-Phospho-S6 Ribosomal Protein (Ser235, Ser236) Monoclonal Antibody at dilution of 1:300.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

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Rev. V1.3

Phosphorylation of S6 ribosomal protein correlates with an increase in translation of mRNA transcripts that contain an oligopyrimidine tract in their 5' untranslated regions. These particular mRNA transcripts (5'TOP) encode proteins involved in cell cycle progression, as well as ribosomal proteins and elongation factors necessary for translation. Important S6 ribosomal protein phosphorylation sites include several residues (Ser235, Ser236, Ser240, and Ser244) located within a small, carboxy-terminal region of S6 protein.