

A Reliable Research Partner in Life Science and Medicine

# 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

phosphorylated human S6 Ribosomal Protein (Ser235/236) peptide **Immunogen** 

Host Rabbit Isotype lgG, κ Clone A815

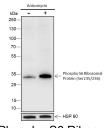
**Purification** Protein Apurified

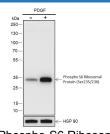
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

#### **Applications Recommended Dilution**

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

#### Data





Western Blot with Phospho-S6 Ribosomal Protein (Ser235, 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)

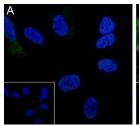
Ser236) Monoclonal Antibody at dilution of 1:1000. (-):

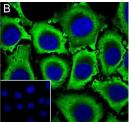
NIH/3T3; (+): NIH/3T3 + PDGF (100ng/ml, 15min)

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

Rev. V1.1

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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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.

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