

## 35-1235: Polyclonal Antibody to p70 S6 Kinase (Phospho-Thr421)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC,IF
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	RPS6KB1
<b>Gene ID :</b>	6198
<b>Uniprot ID :</b>	P23443
<b>Format :</b>	Purified
<b>Alternative Name :</b>	KS6B1, P70-S6K, RPS6KB1, S6K
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of threonine 421 (P-R-T(p)-P-V) derived from Human p70 S6 Kinase.

### Description

Phosphorylates specifically ribosomal protein S6 in response to insulin or several classes of mitogens. Promotes protein synthesis by phosphorylating PD4 at 'Ser-67' and targeting it for degradation.

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 70 85 kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

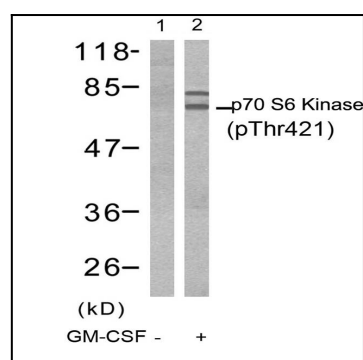


Figure 1: Western blot analysis of extracts from Jurkat cells untreated(lane 1) or treated with GM-CSF(lane 2) using p70 S6 Kinase(Phospho-Thr421) Antibody 35-1235

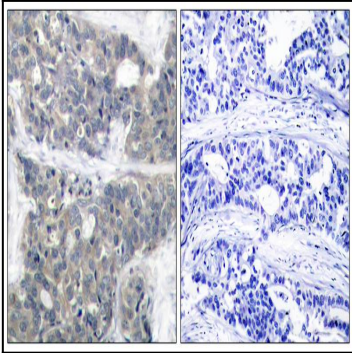


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p70 S6 Kinase(Phospho-Thr421) Antibody 35-1235 (left) or the same antibody preincubated with blocking peptide(right).

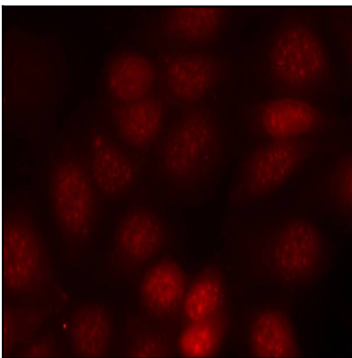


Figure 3: Immunofluorescence staining of methanol-fixed MCF cells using p70 S6 Kinase(Phospho-Thr421) Antibody 35-1235 .