

Nur für Forschungszwecke

# Phospho-p70(S6K) (Thr421/Ser424) Polyklonaler Antikörper



Katalog-Nr.: 29248-1-AP

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 29248-1-AP	<b>GenBank-Zugangsnummer:</b> BC053365	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 100ul, Konzentration: 600 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 6198	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:4000
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> ribosomal protein S6 kinase, 70kDa, polypeptide 1	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 59 kDa	
	<b>Beobachtete Masse:</b> 65-85 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> WB, ELISA	<b>Positivkontrollen:</b> WB : λ phosphatase treated MCF-7 cells,
<b>Getestete Reaktivität:</b> Human	

## Hintergrundinformationen

The Rps6kb1 gene encodes the 70 kDa ribosomal protein S6 kinase (p70S6K), which is a serine/threonine kinase regulated by phosphoinositide 3-kinase (PI3K)/mammalian target of rapamycin (mTOR) pathway. P70S6K plays a crucial role in controlling cell cycle, growth and survival. The PI3K/mTOR signalling pathway is one of the major mechanisms for controlling cell survival, proliferation and metabolism and is the central regulator of translation of some components of protein synthesis system. Due to alternative translation two isoform S6K1 proteins are known to exist in mammalian cells: p85 S6K1 and p70 S6K1, which is identical to p85 S6K but lacks its first 23 amino acids. In addition, mammalian cells express a second S6K1 isoform spanning 316 amino acids (p31 S6K1). In the conventional model, Thr421/Ser424 sites are phosphorylated before Thr389 phosphorylation by mammalian target of rapamycin complex 1 (mTORC1) and subsequent Thr229 phosphorylation by PDK1. (PMID: 25100792, PMID: 24970012, PMID: 21602892)

## Lagerung

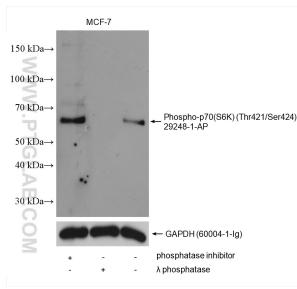
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

\*\*\* 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Ausgewählte Validierungsdaten



Non-treated MCF-7 cells, phosphatase inhibitor treated and  $\lambda$  phosphatase MCF-7 cells were subjected to SDS PAGE followed by western blot with 29248-1-AP (Phospho-p70(S6K) (Thr421/Ser424) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.