

Nur für Forschungszwecke

# Phospho-p70(S6K) (Thr389) Polyklonaler Antikörper



Katalog-Nr.: 28735-1-AP

11 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 28735-1-AP	<b>GenBank-Zugangsnummer:</b> NM_003161	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 100ul, Konzentration: 750 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 6198	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:16000
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> ribosomal protein S6 kinase, 70kDa, polypeptide 1	
<b>Isotyp:</b> IgG	<b>Beobachtete Masse:</b> 65-85 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> WB, ELISA	<b>Positivkontrollen:</b> WB: Mit IGF-1 behandelte MCF-7-Zellen,
<b>In Publikationen genannte Anwendungen:</b> WB	
<b>Getestete Reaktivität:</b> Human	
<b>Zitierte Arten:</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). mTOR is known to phosphorylate and thereby activate p70 S6K1 at T389 and p85 S6K1 at T412. (PMID: 25100792, PMID: 24970012, PMID: 21602892)

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Minfen Zhang	34520393	Aging (Albany NY)	WB
Dengke Gao	36280090	Cell Signal	WB
Dongdong Yang	36417878	Cell Rep	WB

## Lagerung

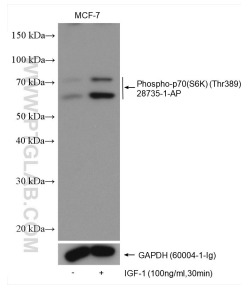
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 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 and IGF-1 treated MCF-7 cells were subjected to SDS PAGE followed by western blot with 28735-1-AP (Phospho-p70(S6K) (Thr389) antibody) at dilution of 1:8000 incubated at room temperature for 1 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.