

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Phospho-p70(S6K) (Thr421/Ser424)



Numéro de catalogue: 29248-1-AP

Informations de base

Numéro de catalogue: 29248-1-AP	Numéro d'acquisition GenBank: BC053365	Méthode de purification: Purification par affinité contre l'antigène
Taille: 100ul , Concentration: 600 µg/ml by Nanodrop;	Identification du gène (NCBI): 6198	Dilutions recommandées: WB 1:1000-1:4000
Hôte: Lapin	Nom complet: ribosomal protein S6 kinase, 70kDa, polypeptide 1	
Isotype: IgG	MW calculé: 59 kDa	
	MW observés: 65-85 kDa	

Applications

Applications testées: WB, ELISA	Contrôles positifs: WB : λ phosphatase treated MCF-7 cells,
Spécificité de l'espèce: Humain	

Informations générales

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)

Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

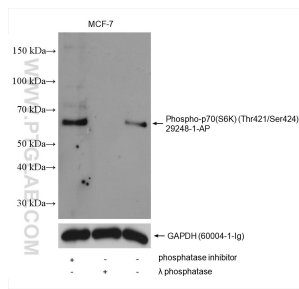
For technical support and original validation data for this product please contact:

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Données de validation sélectionnées



Non-treated MCF-7 cells, phosphatase inhibitor treated and λ 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.