Nur für Forschungszwecke

Phospho-S6 Ribosomal protein (Ser235) Monoklonaler Antikörper

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Katalog-Nr.:67898-1-Ig 2 Publikationen

Allgemeine Informationen

Katalog-Nr.:
67898-1-Ig

Größe:
100ul , Konzentration: 500 μg/ml von Nanodrop;

Wirt:
Maus

Isotyp:
IgG2b

GenBank-Zugangsnummer:
BC000524

GeneID (NCBI):
6194

Vollständiger Name:
ribosomal protein S6

Berechneté Masse:
29 kDa

Beobachteté Masse:
32 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
2A4B6

Empfohlene Verdünnungen:
WB 1:5000-1:50000

Anwendungen

Geprüfte Anwendungen:
WB, ELISA

In Publikationen genannte Anwendungen:
WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human

Positivkontrollen:

WB : HeLa-Zellen, HEK-293-Zellen, Mit Calyculin A behandelte HEK-293-Zellen, Mit Calyculin A behandelte HeLa-Zellen, mit Calyculin A behandelte NIH/3T3-Zellen, Mit IGF-1 behandelte MCF-7-Zellen

Hintergrundinformationen

Ribosomal protein S6 (RPS6) is one of the components of the 40S ribosomal subunit. RPS6 has been functionally regarded as the stimulator and/or inhibitor of certain types of mRNA translation, as well as the regulator of cellular metabolisms, cells size, survival and proliferation. RPS6 is phosphorylated at multiple sites, comprised between Ser235 and Ser247, by the p70 rpS6 kinase (S6K) 1, which is a major downstream effector of the mammalian target of rapamycin complex 1 (mTORC1). Phosphorylation of RPS6 at the dual site Ser235/236 occurs also independently of mTORC1, via the p90 ribosomal S6 kinases (RSK), which are activated by the extracellular signal-regulated kinases (ERK). Recent studies performed in pancreatic β-cells identified PKA as an additional RPS6 kinase, specifically involved in the phosphorylation of Ser235/236. (PMID: 26490682, PMID: 21814187, PMID: 31112404). 67898-1-Ig specifically recognizes the phosphorylation site of Ser235 or dual site Ser235/236.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yu Tao	31908053	FASEB J	WB
Evangelia Lekka	36572670	Nat Commun	WB

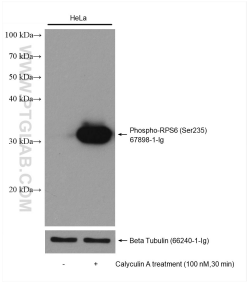
Lagerung

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Ausgewählte Validierungsdaten



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 67898-1-Ig (Phospho-S6 Ribosomal protein (Ser235) antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with beta tubulin antibody as loading control.