À des fins de recherche uniquement

Anticorps Recombinant de lapin anti-Phospho-mTOR (Ser2448)

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:80596-1-RR 9 Publications

Informations de base

Numéro de catalogue:
80596-1-RR

Taille:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Numéro d'acquisition GenBank:
BC117166

Identification du gène (NCBI):
2475

Nom complet:
FK506 binding protein 12-rapamycin associated protein 1

MW calculé
289 kDa

MW observés:
250-289 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
3L18

Dilutions recommandées:
WB 1:5000-1:50000

Applications

Applications testées:
WB, ELISA

Demandes citées:
WB

Spécificité de l'espèce:
Humain, rat

Espèces citées:
Humain, rat, souris

Contrôles positifs:

WB : cellules HEK-293, cellules HEK-293 traitées à la calyculine A, cellules HeLa, cellules HeLa traitées à la calyculine A, cellules HSC-T6 traitées à la calyculine A

Informations générales

MTOR, also named as FRAP1, FRAP, FRAP2 and RAPT1, belongs to the PI3/PI4-kinase family. MTOR is a Ser/Thr protein kinase that functions as an ATP and amino acid sensor to balance nutrient availability and cell growth. MTOR is kinase subunit of both mTORC1 and mTORC2, which regulate cell growth and survival in response to nutrient and hormonal signals. mTORC1 is activated in response to growth factors or amino-acids. mTORC2 is also activated by growth factors, but seems to be nutrient-insensitive. mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating one or more Rho-type guanine nucleotide exchange factors. mTORC2 promotes the serum-induced formation of stress-fibers or F-actin. mTOR is phosphorylated at Ser2448 via the PI3 kinase/Akt signaling pathway and autophosphorylated at Ser2481. mTOR plays a key role in cell growth and homeostasis and may be abnormally regulated in tumors.

Publications notables

Autrice	Pubmed ID	Journal	Application
Ying-Ying Li	36160409	Front Pharmacol	WB
Guopeng Chen	36056952	J Cancer Res Clin Oncol	WB
Ying-Ying Li	36341817	J Ethnopharmacol	WB

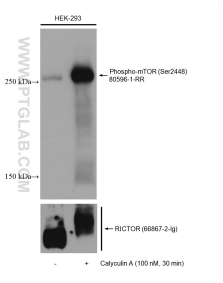
Stockage

Stockage:
Stocker à -20 °C.
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

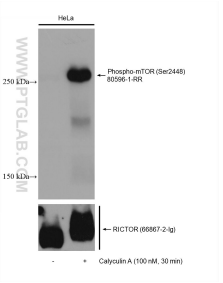
*** Les 20ul contiennent 0,1% de BSA.

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

Données de validation sélectionnées



Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80596-1-RR (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RICTOR antibody (66867-2-Ig) subsequently.



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 80596-1-RR (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RICTOR antibody (66867-2-Ig) subsequently.

Calyculin A treated HSC-T6 cells were subjected to SDS PAGE followed by western blot with 80596-1-RR (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.