

À des fins de recherche uniquement

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



Numéro de catalogue: CL647-80596

Informations de base

Numéro de catalogue: CL647-80596	Numéro d'acquisition GenBank: BC117166	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 2475	CloneNo.: 3L18
Hôte: Lapin	Nom complet: FK506 binding protein 12-rapamycin associated protein 1	Dilutions recommandées: IF 1:500-1:2000
Isotype: IgG	MW calculé 289 kDa	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
	MW observés: 250-289 kDa	

Applications

Applications testées: FC (Intra), IF	Contrôles positifs: IF : Rapamycin treated HeLa cells,
Spécificité de l'espèce: Humain, rat	

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.

Stockage

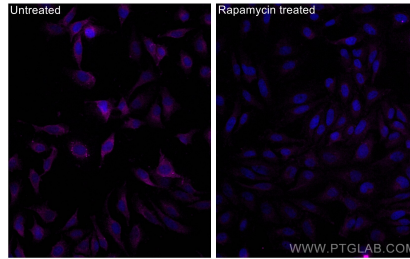
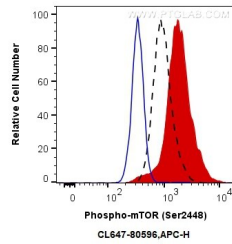
Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** 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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Données de validation sélectionnées



1X10⁶ HeLa cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.13 ug CoraLite® Plus 647 Anti-Human Phospho-mTOR (Ser2448) (CL647-80596, Clone:3L18) (red), or 0.13 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 80% MeOH.

Immunofluorescent analysis of (4% PFA) fixed Rapamycin treated HeLa cells using CoraLite® Plus 647 Phospho-mTOR (Ser2448) antibody (CL647-80596, Clone: 3L18) at dilution of 1:1000.