

Nur für Forschungszwecke

Phospho-mTOR (Ser2448) Rekombinanter Antikörper



Katalog-Nr.:CL647-80596

Allgemeine Informationen

Katalog-Nr.: CL647-80596	GenBank-Zugangsnummer: BC117166	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von2475	GeneID (NCBI): von2475	CloneNo.: 3L18
Nanodrop;	Vollständiger Name: FK506 binding protein 12-rapamycin associated protein 1	Empfohlene Verdünnungen: IF 1:500-1:2000
Wirt: Kaninchen	Berechnete Masse: 289 kDa	Anregungs-/Emissionsmaxima-Wellenlängen: 654 nm / 674 nm
Isotyp: IgG	Beobachtete Masse: 250-289 kDa	

Anwendungen

Geprüfte Anwendungen: FC (Intra), IF	Positivkontrollen: IF : Rapamycin treated HeLa cells,
Getestete Reaktivität: Human, Ratte	

Hintergrundinformationen

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.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

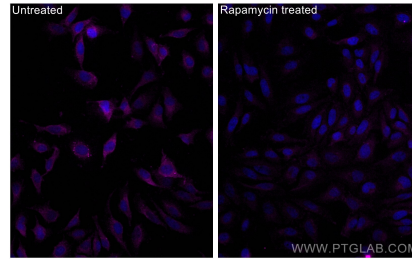
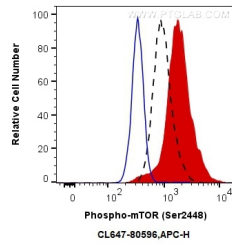
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Ausgewählte Validierungsdaten



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.