

Nur für Forschungszwecke

Phospho-mTOR (Ser2481) Polyklonaler Antikörper



Katalog-Nr.: 28879-1-AP

1 Publikationen

Allgemeine Informationen

Katalog-Nr.: 28879-1-AP	GenBank-Zugangsnummer: BC117166	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 350 µg/ml von Nanodrop;	GeneID (NCBI): 2475	Empfohlene Verdünnungen: WB 1:500-1:1000
Wirt: Kaninchen	Vollständiger Name: FK506 binding protein 12-rapamycin associated protein 1	
Isotyp: IgG	Berechnete Masse: 289 kDa	
	Beobachtete Masse: 250-289 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : mit Insulin behandelte NIH/3T3-Zellen,
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Maus	
Zitierte Arten: Maus	

Hintergrundinformationen

mTOR, also named 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 the 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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Baomei Xia	33307051	J Ethnopharmacol	WB

Lagerung

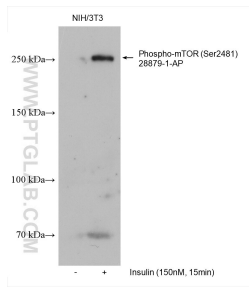
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

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Ausgewählte Validierungsdaten



Nontreated and insulin-treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 28879-1-AP (Phospho-mTOR (Ser2481) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.