

Nur für Forschungszwecke

mTOR Rekombinanter Antikörper

Katalog-Nr.:81670-1-RR

Vorgestelltes Produkt



Allgemeine Informationen

Katalog-Nr.: 81670-1-RR	GenBank-Zugangsnummer: NM_004958	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul, Konzentration: 300 µg/ml von Nanodrop;	GeneID (NCBI): 2475	CloneNo.: 6H23
Wirt: Kaninchen	Vollständiger Name: FK506 binding protein 12-rapamycin associated protein 1	Empfohlene Verdünnungen: WB 1:1000-1:6000 IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
Isotyp: IgG	Berechnete Masse: 289 kDa	IHC 1:50-1:500 IF 1:50-1:500
Immunogen Katalognummer: AG28395	Beobachtete Masse: 250-289 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

Getestete Reaktivität:

Human, Maus, Ratte

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HeLa-Zellen, HEK-293-Zellen, HepG2-Zellen, Jurkat-Zellen, MCF-7-Zellen, NIH/3T3-Zellen

IP: HeLa-Zellen,

IHC: humanes Kolonkarzinomgewebe,

IF: HepG2-Zellen,

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. 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

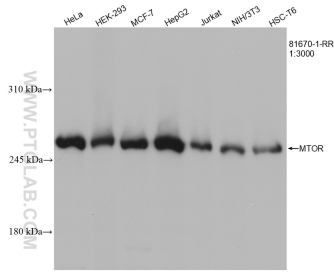
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

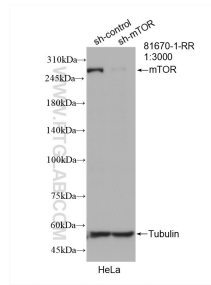
E: proteintech@ptglab.com
W: ptglab.com

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

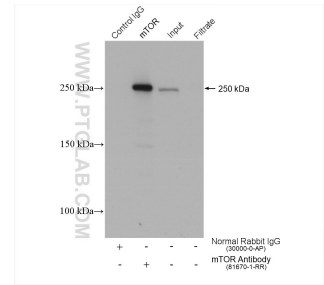
Ausgewählte Validierungsdaten



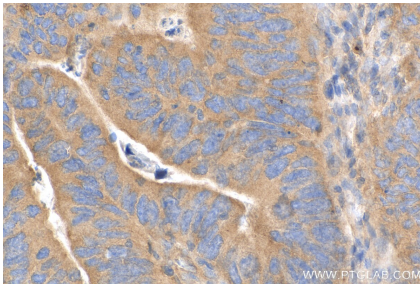
Various lysates were subjected to SDS PAGE followed by western blot with 81670-1-RR (mTOR antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



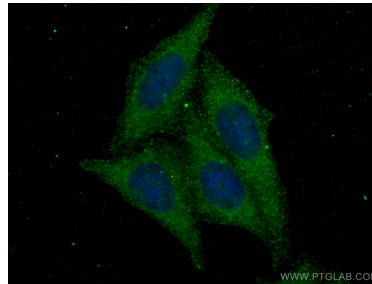
WB result of mTOR antibody (81670-1-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-mTOR transfected HeLa cells.



IP result of anti-mTOR (IP:81670-1-RR, 4ug; Detection:81670-1-RR 1:1000) with HeLa cells lysate 1760 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 81670-1-RR (mTOR antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using mTOR antibody (81670-1-RR, Clone: 6H23) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).