

Nur für Forschungszwecke

mTOR Monoklonaler Antikörper

Katalog-Nr.:66888-1-Ig

Vorgestelltes Produkt

191 Publikationen



Allgemeine Informationen

Katalog-Nr.:
66888-1-Ig

Größe:
150ul, Konzentration: 1346 µg/ml von 2475
Nanodrop und 500 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Maus

Isotyp:
IgG2a

Immunogen Katalognummer:
AG28395

GenBank-Zugangsnummer:
NM_004958

GeneID (NCBI):
1G11A3
Vollständiger Name:
FK506 binding protein 12-rapamycin
associated protein 1

Berechnete Masse:
289 kDa

Beobachtete Masse:
250-289 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
1G11A3

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IP 0.5-4.0 µg für IP und 1:5000-1:50000
für WB
IHC 1:1000-1:4000
IF 1:400-1:1600

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, PLA, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Maus, Ratte, Ziege

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

Positivkontrollen:

WB : LNCaP-Zellen, HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, K-562-Zellen, Maushirngewebe, NCI-H1299-Zellen, NIH/3T3-Zellen, Rattenhirngewebe, ROS1728-Zellen, THP-1-Zellen

IP : HeLa-Zellen,

IHC : humanes Kolonkarzinomgewebe, humanes Leberkarzinomgewebe, humanes Mammakarzinomgewebe

IF : HepG2-Zellen, HeLa-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 has a calculated molecular mass of 289 kDa, and always can be detected at about 250 kDa due to some modifications (PMID: 14578359).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
YanHua Fan	36174847	Fitoterapia	WB
Guangjie Zhao	36163180	Cell Death Discov	WB
Jingjing Zheng	32978798	Ann N Y Acad Sci	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.

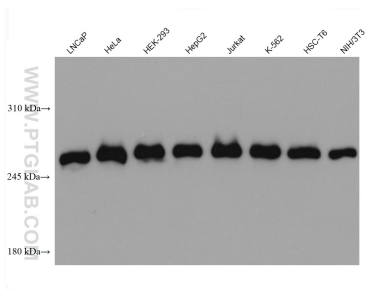
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

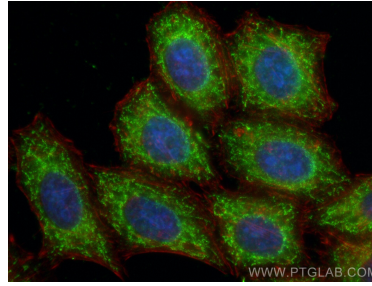
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

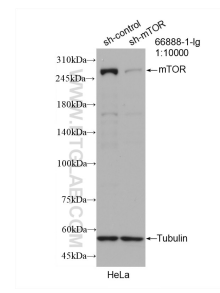
Ausgewählte Validierungsdaten



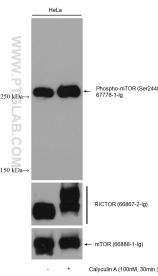
Various lysates were subjected to SDS PAGE followed by western blot with 66888-1-Ig (mTOR antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



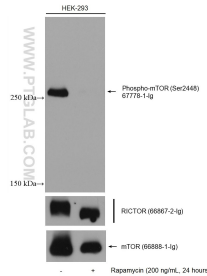
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using mTOR antibody (66888-1-Ig, Clone: 1G11A3) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



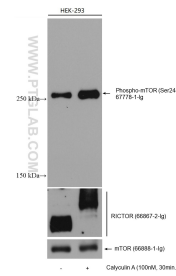
WB result of mTOR antibody (66888-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-mTOR transfected HeLa cells.



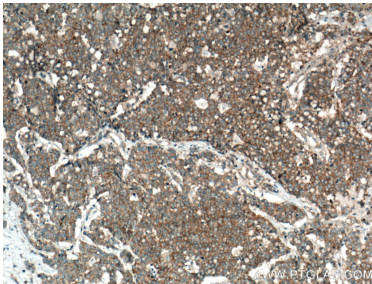
Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 67778-1-Ig (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RICTOR antibody (66867-2-Ig) and mTOR antibody (66888-1-Ig) subsequently.



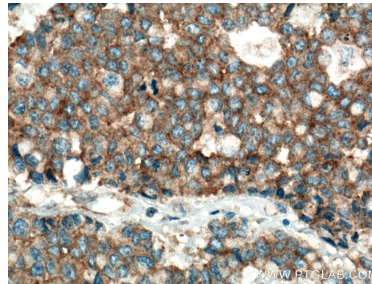
Non-treated and Rapamycin treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 67778-1-Ig (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RICTOR antibody (66867-2-Ig) and mTOR antibody (66888-1-Ig) subsequently.



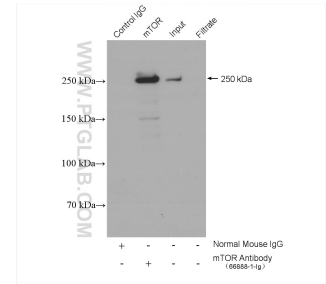
Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 67778-1-Ig (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RICTOR antibody (66867-2-Ig) and mTOR antibody (66888-1-Ig) subsequently.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66888-1-Ig (mTOR antibody) at dilution of 1:2500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66888-1-Ig (mTOR antibody) at dilution of 1:2500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-mTOR (IP:66888-1-Ig, 5ug; Detection:66888-1-Ig 1:20000) with HeLa cells lysate 1600 ug.