

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-mTOR



Numéro de catalogue: 28273-1-AP

Phare

52 Publications

Informations de base

Numéro de catalogue: 28273-1-AP	Numéro d'acquisition GenBank: NM_004958	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 600 µg/ml by Nanodrop;	Identification du gène (NCBI): 2475	Dilutions recommandées: WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:2000-1:10000 for WB
Hôte: Lapin	Nom complet: FK506 binding protein 12-rapamycin associated protein 1	IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG	MW calculé 289 kDa	
Immunogen Catalog Number: AG28395	MW observés: 250-289 kDa	

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IHC, WB

Spécificité de l'espèce:

Humain

Espèces citées:

bovin, Humain, poulet, rat, singe, souris

Contrôles positifs:

WB : cellules HeLa, cellules HepG2, cellules MCF-7, cellules PC-3

IP : cellules HeLa,

IHC : tissu de cancer de la prostate humain, tissu de cancer du sein humain

IF : cellules HeLa, cellules HepG2

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

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

Publications notables

Autrice	Pubmed ID	Journal	Application
Lihua Luo	34593005	J Nanobiotechnology	WB
Lei Li	36165926	Free Radic Biol Med	WB
Chun Pan	36115647	Toxicology	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

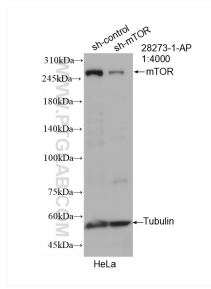
For technical support and original validation data for this product please contact:

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

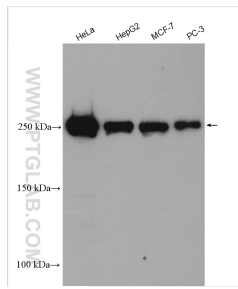
E: proteintech@ptglab.com
W: ptglab.com

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

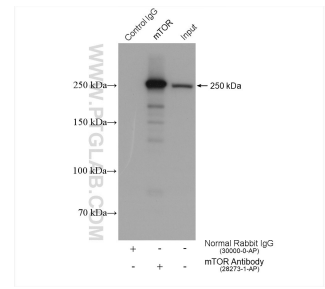
Données de validation sélectionnées



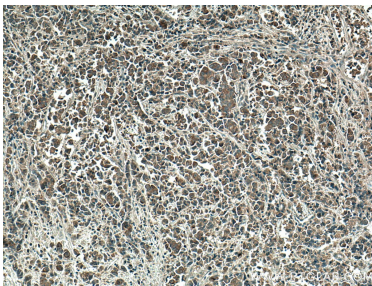
WB result of mTOR antibody (28273-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-mTOR transfected HeLa cells.



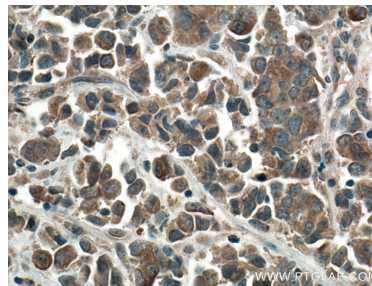
Various lysates were subjected to SDS PAGE followed by western blot with 28273-1-AP (mTOR antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-mTOR(IP:28273-1-AP, 4ug; Detection:28273-1-AP 1:5000) with HeLa cells lysate 1720 ug.

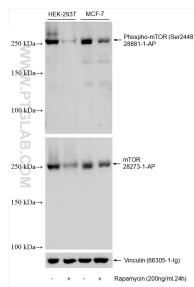


Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 28273-1-AP (MTOR antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 28273-1-AP (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 Ethanol) fixed HeLa cells using mTOR antibody (28273-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Non-treated and Rapamycin treated lysates were subjected to SDS PAGE followed by western blot with 28881-1-AP (Phospho-mTOR (Ser2448) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with mTOR antibody (28273-1-AP) and Vinculin (66305-1-Ig) subsequently.