

À des fins de recherche uniquement

# Anticorps Monoclonal anti-mTOR

Numéro de catalogue: CL594-66888

1 Publications



## Informations de base

Numéro de catalogue: CL594-66888	Numéro d'acquisition GenBank: NM_004958	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 2475	CloneNo.: 1G11A3
Hôte: Mouse	Nom complet: FK506 binding protein 12-rapamycin associated protein 1	Dilutions recommandées: IF 1:50-1:500
Isotype: IgG2a	MW calculé: 289 kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG28395	MW observés: 250-289 kDa	

## Applications

Applications testées: IF	Contrôles positifs: IF : cellules HepG2,
Demandes citées: IF	
Spécificité de l'espèce: Humain, rat, souris	
Espèces citées: Humain	

## 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
Margot R F Reijnders	37057673	Genet Med	IF

## Stockage

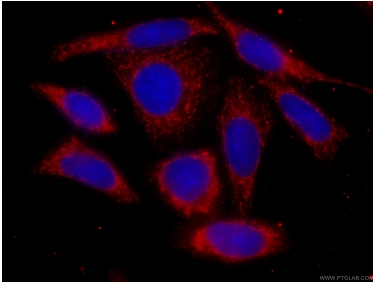
Stockage:  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* 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)  
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## Données de validation sélectionnées



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL594-66888 (mTOR antibody) at dilution of 1:100.