

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Raptor



Numéro de catalogue: 20984-1-AP

Phare

37 Publications

## Informations de base

Numéro de catalogue:

20984-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM\_020761

Identification du gène (NCBI):

57521

Nom complet:

raptor

MW calculé

149 kDa

MW observés:

130-150 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IF 1:50-1:500

## Applications

Applications testées:

IF, IP, WB, ELISA

Demandes citées:

IF, IHC, IP, PLA, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain, Lapin, rat, souris

Contrôles positifs:

WB : cellules HEK-293, cellules HepG2, tissu cérébral de souris

IP : cellules HeLa,

IF : cellules HeLa,

## Informations générales

RPTOR, also named as KIAA1303 and RAPTOR Belongs to the WD repeat RAPTOR family. It is involved in the control of the mammalian target of rapamycin complex 1 (mTORC1) activity which regulates cell growth and survival, and autophagy in response to nutrient and hormonal signals; functions as a scaffold for recruiting mTORC1 substrates. mTORC1 is activated in response to growth factors or amino-acids. Amino-acid-signaling to mTORC1 is mediated by Rag GTPases, which cause amino-acid-induced relocalization of mTOR within the endomembrane system. Activated mTORC1 up-regulates protein synthesis by phosphorylating key regulators of mRNA translation and ribosome synthesis. mTORC1 phosphorylates EIF4EBP1 and releases it from inhibiting the elongation initiation factor 4E (eIF4E). mTORC1 phosphorylates and activates S6K1 at 'Thr-389', which then promotes protein synthesis by phosphorylating PDCD4 and targeting it for degradation. The antibody is specific to RPTOR.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Shun-Yuan Li	31545482	Int J Mol Med	WB
Peter Gollwitzer	36097072	Nat Cell Biol	WB
Ziru Li	25157160	Proc Natl Acad Sci U S A	WB, IP

## 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.

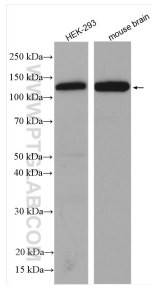
For technical support and original validation data for this product please contact:

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

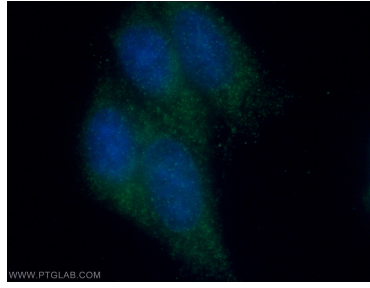
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

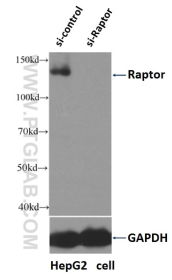
## Données de validation sélectionnées



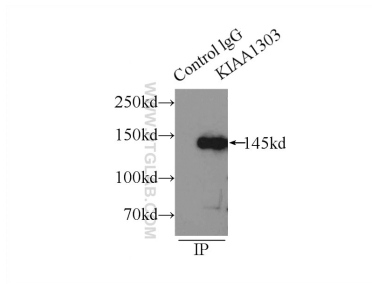
Various lysates were subjected to SDS PAGE followed by western blot with 20984-1-AP (Raptor antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 20984-1-AP (Raptor antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of Raptor antibody (20984-1-AP, 1:500) with si-control and si-Raptor transfected HepG2 cells.



IP Result of anti-Raptor (IP:20984-1-AP, 4ug; Detection:20984-1-AP 1:1000) with HeLa cells lysate 1505ug.