

À des fins de recherche uniquement

Anticorps Monoclonal anti-Raptor

Numéro de catalogue: 68286-1-Ig



Informations de base

Numéro de catalogue: 68286-1-Ig	Numéro d'acquisition GenBank: BC136654	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 57521	CloneNo.: 1B8A12
Hôte: Mouse	Nom complet: raptor	Dilutions recommandées: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Isotype: IgG2b	MW calculé: 1335 aa, 149 kDa	
Immunogen Catalog Number: AG30131	MW observés: 130-150 kDa	

Applications

Applications testées: IP, WB, ELISA	Contrôles positifs:
Spécificité de l'espèce: Humain	WB : cellules MCF-7, cellules HEK-293, cellules HeLa, cellules Jurkat, cellules K-562, cellules LNCaP, cellules MOLT-4
	IP : 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.

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.

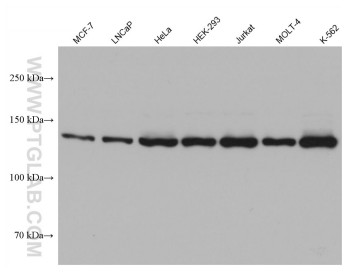
For technical support and original validation data for this product please contact:

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

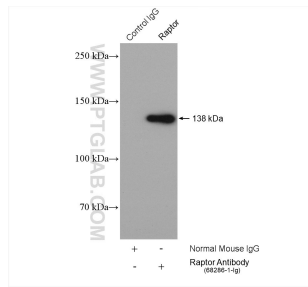
E: proteintech@ptglab.com
W: ptglab.com

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

Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 68286-1-Ig (Raptor antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-Raptor(IP:68286-1-Ig, 4ug; Detection:68286-1-Ig 1:1000) with HeLa cells lysate 1800 ug.