

Allgemeine Informationen

Katalog-Nr.: 68286-1-Ig	GenBank-Zugangsnummer: BC136654	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 1000 µg/ml von57521 Nanodrop;	GeneID (NCBI): 57521	CloneNo.: 1B8A12
Wirt: Maus	Vollständiger Name: raptor	Empfohlene Verdünnungen: WB 1:5000-1:50000
Isotyp: IgG2b	Berechnete Masse: 1335 aa, 149 kDa	
Immunogen Katalognummer: AG30131	Beobachtete Masse: 130-150 kDa	

Anwendungen

Geprüfte Anwendungen:
WB, ELISA

Getestete Reaktivität:
Human

Positivkontrollen:

WB : MCF-7-Zellen, HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, LNCaP-Zellen, MOLT-4-Zellen

Hintergrundinformationen

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.

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**

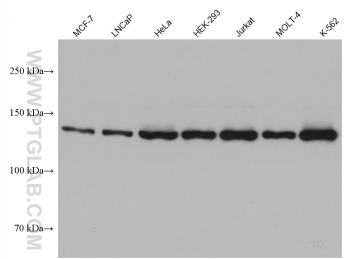
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Ausgewählte Validierungsdaten



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.