



RHEB blocking peptide (CDBP6004)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a member of the small GTPase superfamily and encodes a lipid-anchored, cell membrane protein with five repeats of the RAS-related GTP-binding region. This protein is vital in regulation of growth and cell cycle progression due to its role in the insulin/TOR/S6K signaling pathway. The protein has GTPase activity and shuttles between a GDP-bound form and a GTP-bound form, and farnesylation of the protein is required for this activity. Three pseudogenes have been mapped, two on chromosome 10 and one on chromosome 22. [provided by RefSeq, Jul 2008]
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	RHEB Ras homolog enriched in brain [Homo sapiens (human)]
Official Symbol	RHEB
Synonyms	RHEB; Ras homolog enriched in brain; RHEB2; GTP-binding protein Rheb; Ras homolog enriched in brain 2

Entrez Gene ID	6009
mRNA Refseq	NM_005614
Protein Refseq	NP_005605
UniProt ID	Q15382
Pathway	AMPK signaling pathway; Energy dependent regulation of mTOR by LKB1-AMPK; FSH signaling pathway; IGF1R signaling cascade; IRS-mediated signalling; IRS-related events; IRS-related events triggered by IGF1R; Insulin Signaling
Function	GDP binding; GTP binding; GTPase activity; metal ion binding; protein binding; protein kinase binding