



## RHEB blocking peptide (CDBP6003)

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]

**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

<b>Entrez Gene ID</b>	<a href="#">6009</a>
<b>mRNA Refseq</b>	<a href="#">NM_005614</a>
<b>Protein Refseq</b>	<a href="#">NP_005605</a>
<b>UniProt ID</b>	Q15382
<b>Pathway</b>	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
<b>Function</b>	GDP binding; GTP binding; GTPase activity; metal ion binding; protein binding; protein kinase binding