

Datasheet for ABIN6700445 RHEB Protein (His tag)



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	RHEB
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RHEB protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	RHEB recombinant protein-HIS Epitope
Purification:	Recombinant full-length human RHEB was expressed by baculovirus in Sf9 insect cells using an N-Terminal his epitope. The purity was determined to be >95% by densitometry.
Purity:	>95%

Target Details

Target:	RHEB
Alternative Name:	RHEB (RHEB Products)
Background:	Synonyms: RHEB2, MGC111559, Ras Homolog Enriched in Brain, GTP-binding protein Rheb Background: RHEB 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. RHEB is vital in the regulation of growth and cell cycle progression. RHEB has GTPase activity and shuttles

Target Details

between a GDP-bound form and a GTP-bound form. Drosophila RHEB is a direct target of Tsc2 GTPase-activating protein (GAP) activity both in vivo and in vitro. Point mutations in the Drosophila RHEB gene inhibit cell growth while overexpression promotes cell growth. RHEB functions downstream of Tsc1 and Tsc2 in the mTOR signaling pathway. RHEB Protein is ideal for investigators involved in Signaling Proteins, G-Proteins, Angiogenesis, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, ERK/MAPK Pathway, Invasion/Metastasis, and Neurobiology research.

NCBI Accession: [NM_005614](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Other: Kinase Assay-User Optimized
Application_Note: Human RHEB Protein has been tested in SDS-Page and is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~21 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: RHEB Protein is stored in 50 mM NaPhosphate pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.2 mM DTT, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months