



RHEB rabbit pAb

Cat No.:ES8475

For research use only

Overview

Product Name	RHEB rabbit pAb
Host species	Rabbit
Applications	WB;ELISA;IHC
Species Cross-Reactivity	Human;Mouse;Rat;Predicted:Cow
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Immunogen	Synthetic Peptide of RHEB
Specificity	This antibody detects endogenous levels of RHEB Polyclonal Antibody at Human;Mouse;Rat;Predicted:Cow, It doesn't reacte with total protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	RHEB
Gene Name	RHEB RHEB2
Cellular localization	Endomembrane system ; Lipid-anchor ; Cytoplasmic side . Golgi apparatus membrane ; Lipid-anchor ; Cytoplasmic side . Cytoplasm, cytosol . Endoplasmic reticulum membrane ; Lipid-anchor ; Cytoplasmic side .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	20kD
Human Gene ID	6009
Human Swiss-Prot Number	Q15382
Alternative Names	Ras homolog enriched in brain
Background	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



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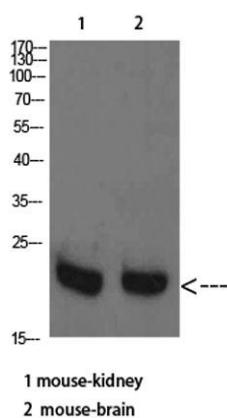
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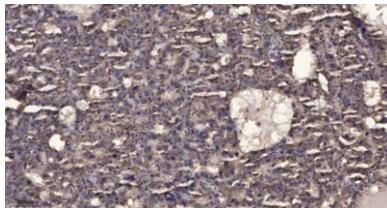
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in regulation of growth and cell cycle progression due to its role in the insulin/TOR/S6K signaling pathway. The protein has GTPase activity and shuttles between a GDP-bound form and a GTP-bound form, and farnesylation of the protein is required for this activity. Three pseudogenes have been mapped, two on chromosome 10 and one on chromosome 22. [provided by RefSeq, Jul 2008],



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



Detailed description: This immunohistochemical image shows a tissue section with dark blue staining, indicating the presence of the RHEB protein in the liver cancer cells. The background is a lighter, pinkish-purple color, likely representing hematoxylin staining of the nuclei. The staining is more concentrated in certain cells, suggesting a positive signal for the RHEB antibody.

