

## RHEB RABBIT PAB

**Cat.#:** S220748

**Product Name:** Anti-RHEB Rabbit Polyclonal Antibody

**Synonyms:** RHEB2

**UNIPROT ID:** Q15382 (Gene Accession - NP\_005605 )

**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 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.

**Immunogen:** Synthetic peptide of human RHEB

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

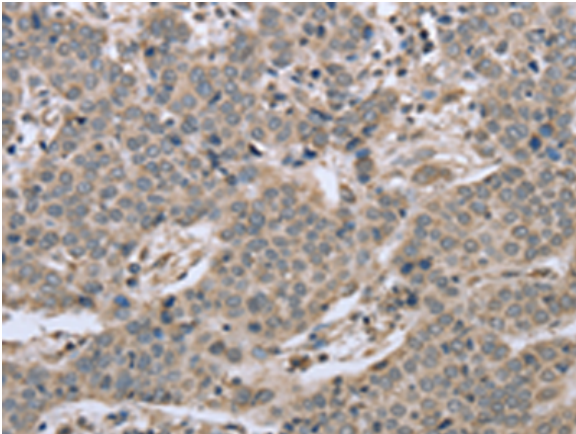
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

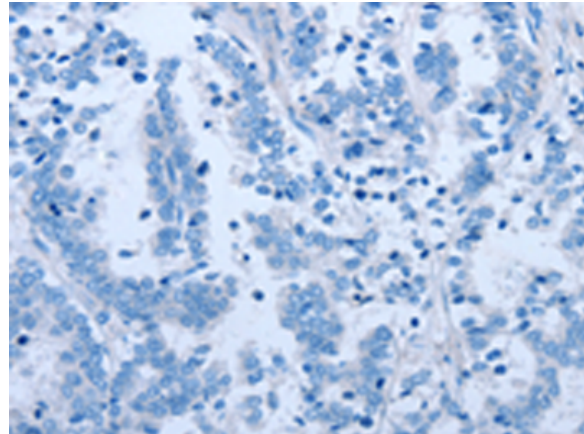
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Metabolism

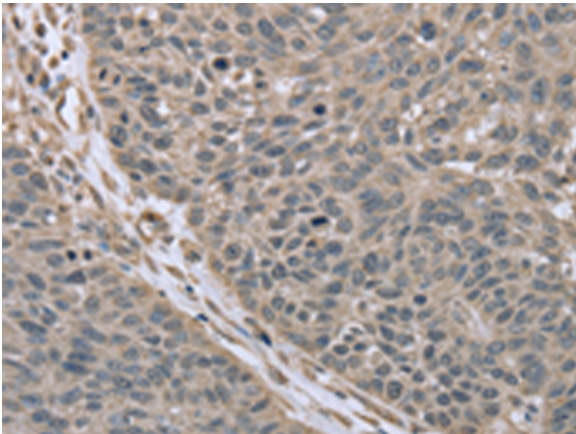
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



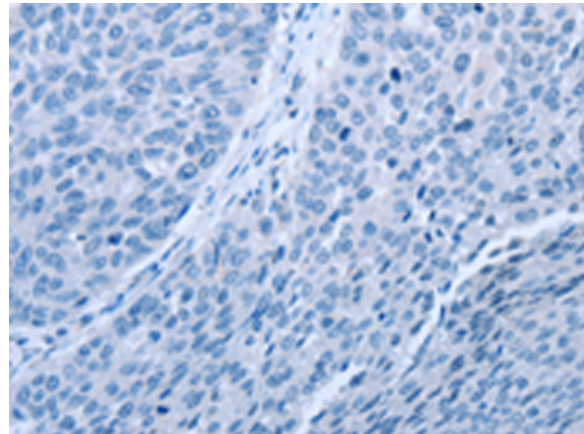
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 220748(RHEB Antibody) at a dilution of 1/40(Cytoplasm).



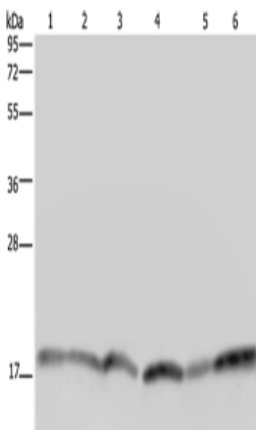
In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 220748(Anti-RHEB Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 220748(Anti-RHEB Antibody) at a dilution of 1/40.



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with synthetic peptide and then with D261955(Anti-RHEB Antibody) at dilution 1/40.



Gel: 10%SDS-PAGE, Lysate: 40  $\mu$ g;  
 Lane 1-6: Human brain malignant glioma tissue, Jurkat cells, Raji cells, 231 cells, human fetal brain tissue, Hela cells;  
 Primary antibody: 220748(RHEB Antibody) at dilution 1/300;  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
 Exposure time: 5 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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