

RPSA RABBIT PAB

Cat.#: S216646

Product Name: Anti-RPSA Rabbit Polyclonal Antibody

Synonyms: SA; LBP; LRP; p40; 67LR; lamR; 37LRP; LAMBR; LAMR1; LRP/LR; LBP/p40; NEM/1CHD4

UNIPROT ID: P08865 (Gene Accession - BC013827)

Background: Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Many of the effects of laminin are mediated through interactions with cell surface receptors. These receptors include members of the integrin family, as well as non-integrin laminin-binding proteins. This gene encodes a high-affinity, non-integrin family, laminin receptor 1. This receptor has been variously called 67 kD laminin receptor, 37 kD laminin receptor precursor (37LRP) and p40 ribosome-associated protein. The amino acid sequence of laminin receptor 1 is highly conserved through evolution, suggesting a key biological function. It has been observed that the level of the laminin receptor transcript is higher in colon carcinoma tissue and lung cancer cell line than their normal counterparts. Also, there is a correlation between the upregulation of this polypeptide in cancer cells and their invasive and metastatic phenotype. Multiple copies of this gene exist, however, most of them are pseudogenes thought to have arisen from retropositional events. Two alternatively spliced transcript variants encoding the same protein have been found for this gene

Immunogen: Fusion protein of human RPSA

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 100-300;WB: 500-2000;ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

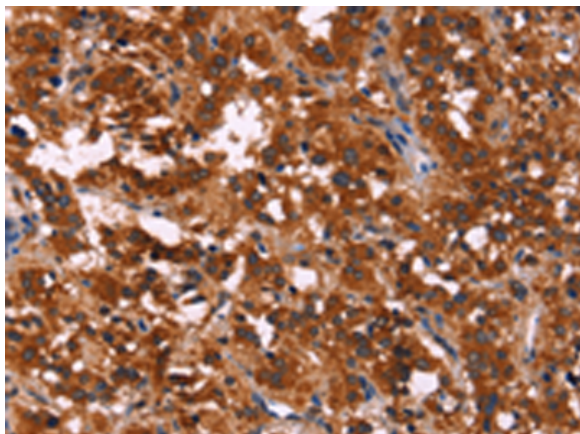
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

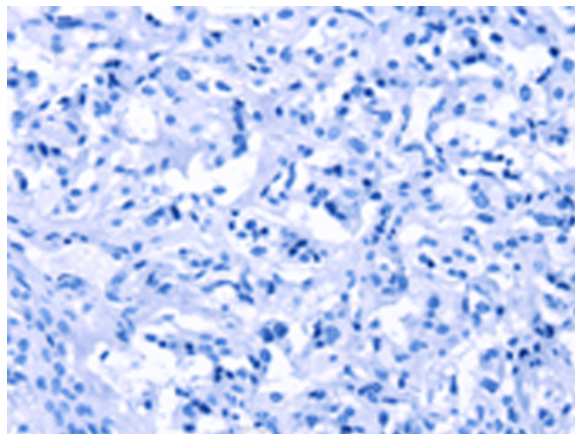
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Signal Transduction, Neuroscience, Cardiovascular

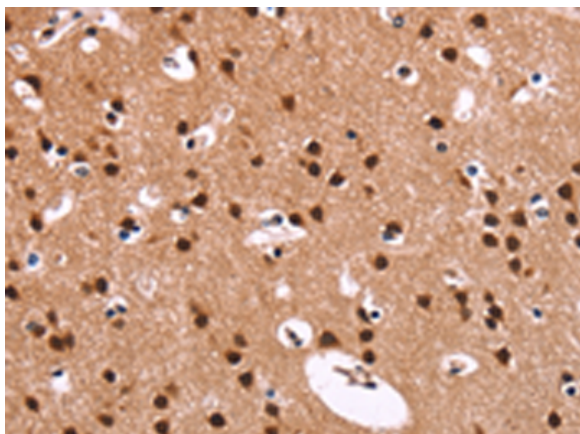
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



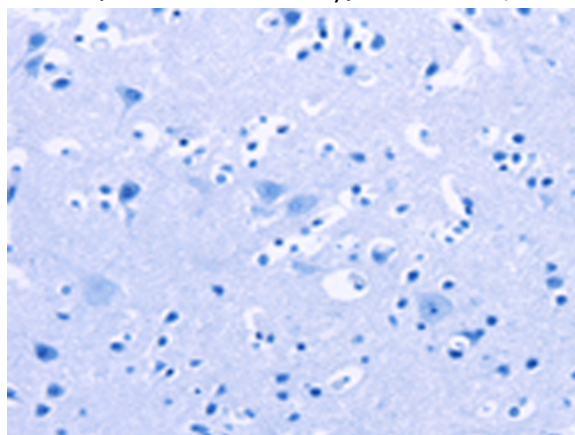
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 216646(RPSA Antibody) at a dilution of 1/60(Cytoplasm or Nucleus).



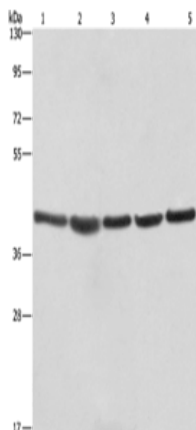
In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 216646(Anti-RPSA Antibody) at dilution 1/60.



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using 216646(Anti-RPSA Antibody) at a dilution of 1/60.



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with fusion protein and then with D220979(Anti-RPSA Antibody) at dilution 1/60.



Gel: 10%SDS-PAGE, Lysate: 40 μ g;
 Lane 1-5: A549 cells, NIH/3T3 cells, 293T cells, human hepatocellular carcinoma tissue, hela cells;
 Primary antibody: 216646(RPSA Antibody) at dilution 1/433.3;
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
 Exposure time: 15 seconds



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
