

RPL14 RABBIT PAB

Cat.#: S221802

Product Name: Anti-RPL14 Rabbit Polyclonal Antibody

Synonyms: L14; RL14; hRL14; CTG-B33; CAG-ISL-7

UNIPROT ID: P50914 (Gene Accession - NP_003964)

Background: Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L14E family of ribosomal proteins. It contains a basic region-leucine zipper (bZIP)-like domain. The protein is located in the cytoplasm. This gene contains a trinucleotide (GCT) repeat tract whose length is highly polymorphic; these triplet repeats result in a stretch of alanine residues in the encoded protein. Transcript variants utilizing alternative polyA signals and alternative 5'-terminal exons exist but all encode the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Immunogen: Synthetic peptide of human RPL14

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 25-100;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

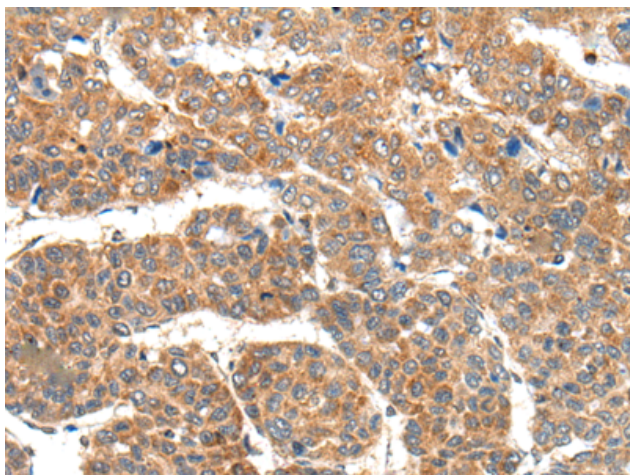
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

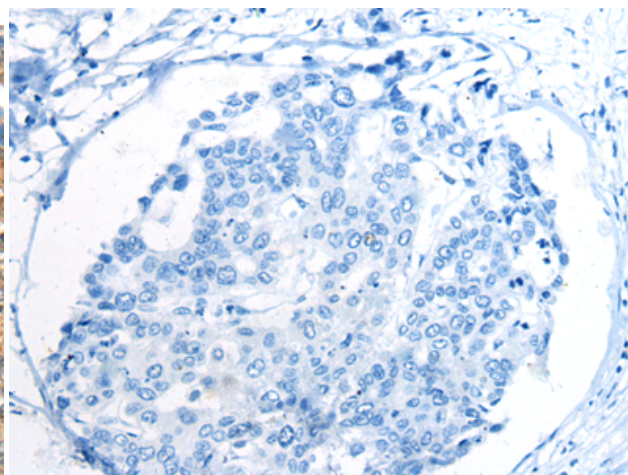
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Epigenetics and Nuclear Signaling

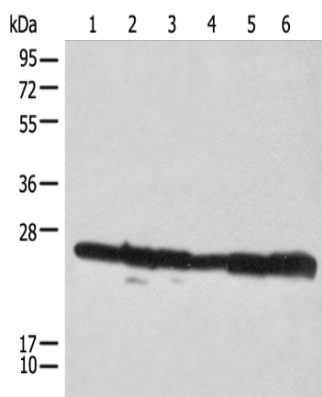
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221802(RPL14 Antibody) at a dilution of 1/30(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 221802(Anti-RPL14 Antibody) at dilution 1/30.



Gel: 12%SDS-PAGE, Lysate: 40 μ g;
Lane 1-6: A431, HEPG2, 231, Jurkat, Hela and 293T cell lysates;
Primary antibody: 221802(RPL14 Antibody) at dilution 1/300;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 10 seconds