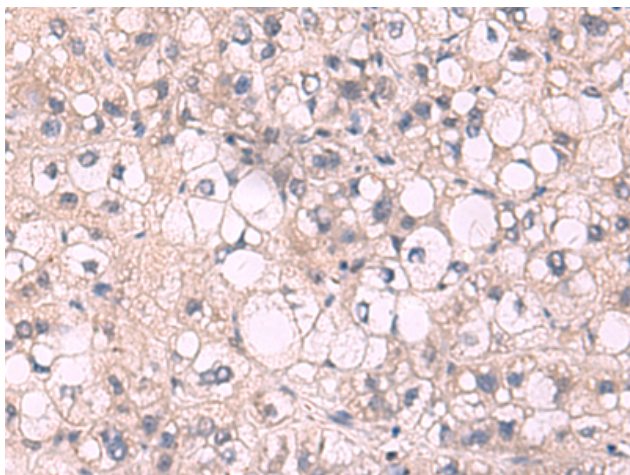


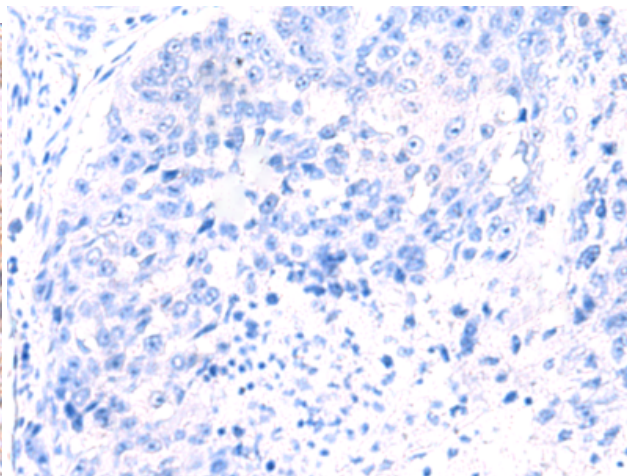
KPNA2 RABBIT PAB**Cat.#:** S219153**Product Name:** Anti-KPNA2 Rabbit Polyclonal Antibody**Synonyms:** QIP2; RCH1; IPOA1; SRP1alpha; SRP1-alpha**UNIPROT ID:** P52292 (Gene Accession - BC005978)

Background: The import of proteins into the nucleus is a process that involves at least 2 steps. The first is an energy-independent docking of the protein to the nuclear envelope and the second is an energy-dependent translocation through the nuclear pore complex. Imported proteins require a nuclear localization sequence (NLS) which generally consists of a short region of basic amino acids or 2 such regions spaced about 10 amino acids apart. Proteins involved in the first step of nuclear import have been identified in different systems. These include the Xenopus protein importin and its yeast homolog, SRP1 (a suppressor of certain temperature-sensitive mutations of RNA polymerase I in *Saccharomyces cerevisiae*), which bind to the NLS. KPNA2 protein interacts with the NLSs of DNA helicase Q1 and SV40 T antigen and may be involved in the nuclear transport of proteins. KPNA2 also may play a role in V(D)J recombination. Alternative splicing results in multiple transcript variants.

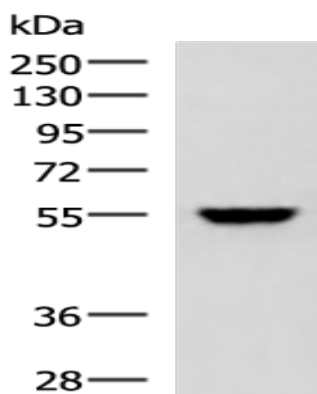
Immunogen: Fusion protein of human KPNA2**Applications:** ELISA, WB, IHC**Recommended Dilutions:** IHC: 50-300;WB: 1000-5000;ELISA: 5000-10000**Host Species:** Rabbit**Clonality:** Rabbit Polyclonal**Isotype:** Immunogen-specific rabbit IgG**Purification:** Antigen affinity purification**Species Reactivity:** Human, Mouse**Constituents:** PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol**Research Areas:** Signal Transduction, Immunology**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 219153 (KPNA2 Antibody) at a dilution of 1/85 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the fusion protein and then with 219153 (Anti-KPNA2 Antibody) at dilution 1/85.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
Lane: 293T cell lysate;
Primary antibody: 219153 (KPNA2 Antibody) at dilution 1/1000;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 7 seconds