

## ATP6V1C1 RABBIT PAB

**Cat.#:** S219098

**Product Name:** Anti-ATP6V1C1 Rabbit Polyclonal Antibody

**Synonyms:** VATC; Vma5; ATP6C; ATP6D

**UNIPROT ID:** P21283 (Gene Accession - BC010960 )

**Background:** This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits:  $\alpha$ , c, c', c', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This gene is one of two genes that encode the V1 domain C subunit proteins and is found ubiquitously. This C subunit is analogous but not homologous to gamma subunit of F-ATPases. Previously, this gene was designated ATP6D.

**Immunogen:** Fusion protein of human ATP6V1C1

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 100-200;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

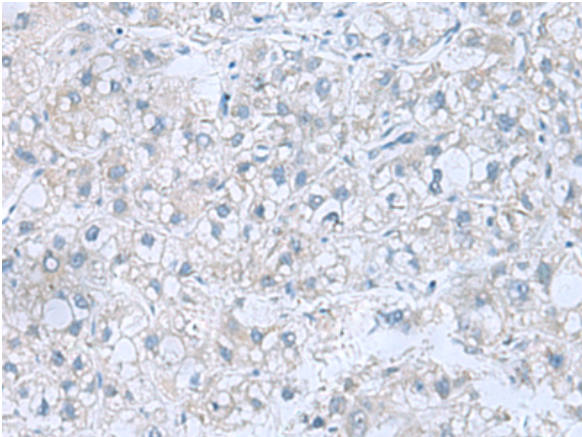
**Purification:** Antigen affinity purification

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

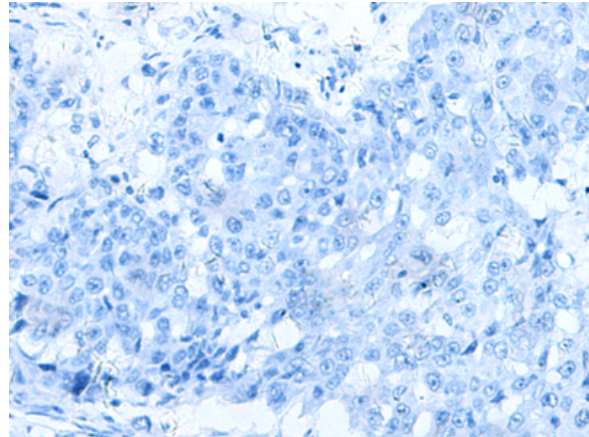
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism

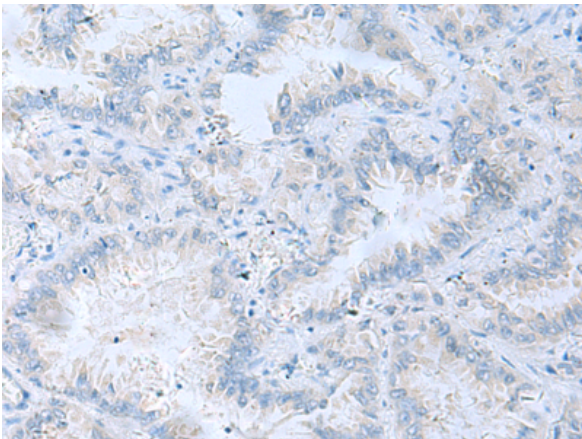
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



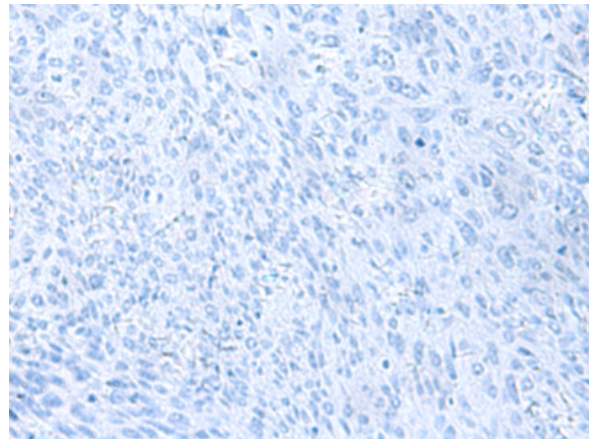
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 219098(ATP6VIC1 Antibody) at a dilution of 1/100(Cytoplasm).



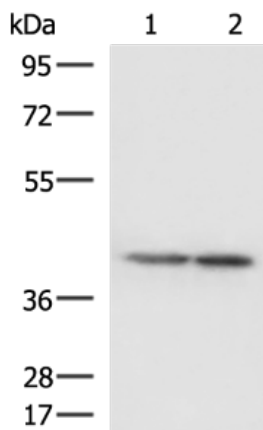
In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the fusion protein and then with 219098(Anti-ATP6VIC1 Antibody) at dilution 1/100.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 219098(Anti-ATP6VIC1 Antibody) at a dilution of 1/100.



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with fusion protein and then with D225827(Anti-ATP6VIC1 Antibody) at dilution 1/100.



Gel: 8%SDS-PAGE, Lysate: 40 µg;  
 Lane 1-2: Human cerebella tissue and Human cerebrum tissue lysates;  
 Primary antibody: 219098(ATP6VIC1 Antibody) at dilution 1/500;  
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
 Exposure time: 10 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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