

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

ATP2A1 RABBIT PAB

Cat.#: S220711

Product Name: Anti-ATP2Al Rabbit Polyclonal Antibody

Synonyms: ATP2A; SERCAl

UNIPROT ID: 014983 (Gene Accession - NP_775293)

Background: This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumps, and is involved in muscular excitation and contraction. Mutations in

sarcoplasmic reticulum lumen, and is involved in muscular excitation and contraction. Mutations in this gene cause some autosomal recessive forms of Brody disease, characterized by increasing impairment of muscular relaxation during exercise. Alternative splicing results in three transcript

variants encoding different isoforms.

Immunogen: Synthetic peptide of human ATP2A1

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

Species Reactivity: Human

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

glycerol

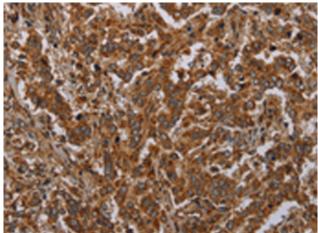
Research Areas: Metabolism, Signal Transduction, Cardiovascular

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

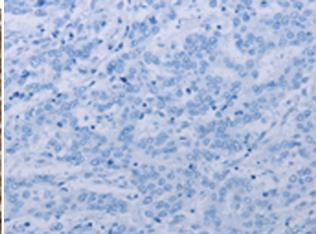


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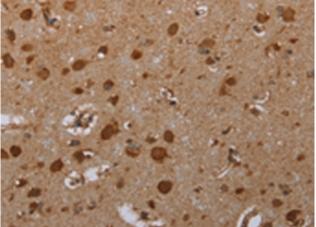
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Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 220711(ATP2A1 Antibody) at a dilution of 1/30(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 220711(Anti-ATP2A1 Antibody) at dilution 1/30.



The image on the left is immunohistochemistry of paraffinembedded Human brain tissue using 220711(Anti-ATP2A1 Antibody) at a dilution of 1/30.

