

MICU1 RABBIT PAB

Cat.#: S218433

Product Name: Anti-MICU1 Rabbit Polyclonal Antibody

Synonyms: CALC; EFHA3; MPXPS; CBARA1

UNIPROT ID: Q9BPX6 (Gene Accession - BC004190)

Background: This gene encodes an essential regulator of mitochondrial Ca²⁺ uptake under basal conditions. The encoded protein interacts with the mitochondrial calcium uniporter, a mitochondrial inner membrane Ca²⁺ channel, and is essential in preventing mitochondrial Ca²⁺ overload, which can cause excessive production of reactive oxygen species and cell stress. Alternatively spliced transcript variants encoding different isoforms have been described.

Immunogen: Fusion protein of human MICU1

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 25-100;WB: 200-1000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

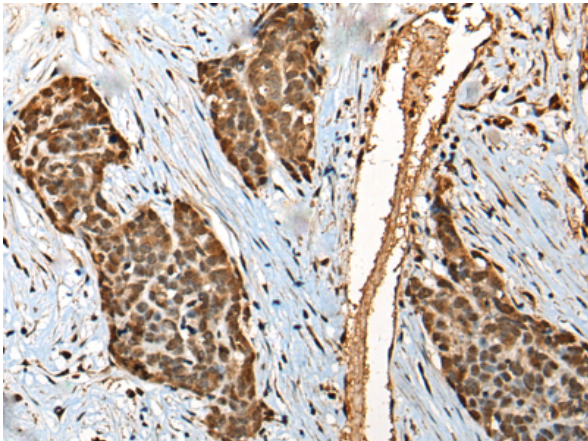
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

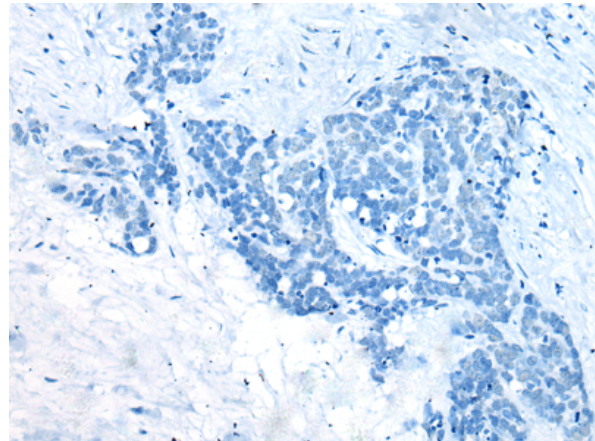
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Signal Transduction, Immunology

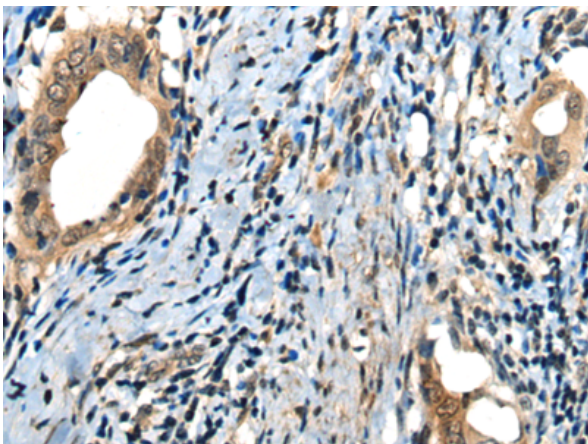
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



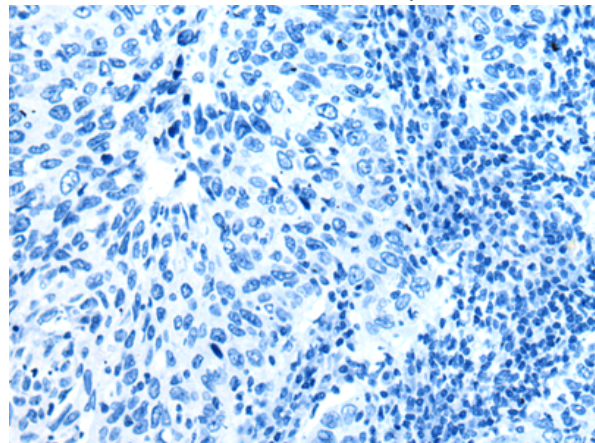
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 218433(MICUI Antibody) at a dilution of 1/35(Cytoplasm and Nucleus).



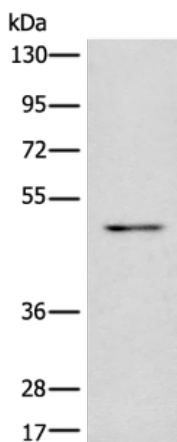
In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 218433(Anti-MICUI Antibody) at dilution 1/35.



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 218433(Anti-MICUI Antibody) at a dilution of 1/35.



In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with fusion protein and then with D224423(Anti-MICUI Antibody) at dilution 1/35.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
Lane: HUVEC cell lysate;
Primary antibody: 218433(MICUI Antibody) at dilution 1/350;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 1 minute



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
