

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

ACTN1 RABBIT PAB

Cat.#: S216987

Product Name: Anti-ACTN1 Rabbit Polyclonal Antibody

Synonyms: BDPLT15

UNIPROT ID: P12814 (Gene Accession - BC003576)

Background: Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a nonmuscle, cytoskeletal, alpha actinin isoform and maps to the same site as the structurally similar erythroid beta spectrin gene. Three transcript variants encoding different isoforms have been found for this gene.

Immunogen: Fusion protein of human ACTN1

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 15-50;WB: 500-2000;ELISA: 2000-5000

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

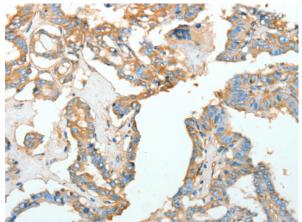
Research Areas: Signal Transduction

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

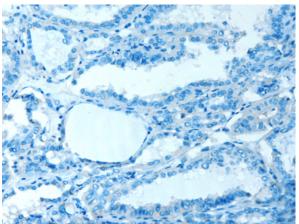


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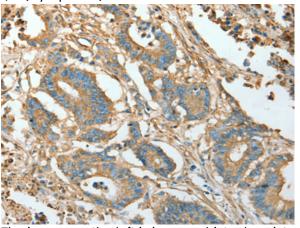
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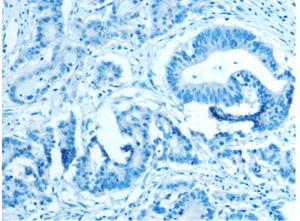
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 216987(ACTN1 Antibody) at a dilution of 1/10(Cytoplasm).



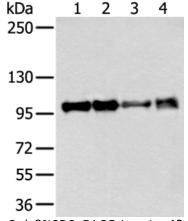
In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 216987(Anti-ACTN1 Antibody) at dilution 1/10.



paraffin-embedded Human colon cancer tissue paraffin-embedded Human colon cancer tissue using 216987(Anti-ACTN1 Antibody) at a dilution of is first treated with fusion protein and then with 1/10.



The image on the left is immunohistochemistry of In comparision with the IHC on the left, the same D221591(Anti-ACTN1 Antibody) at dilution 1/10.



Gel: 6%SDS-PAGE, Lysate: 40 µg; Lane 1-4: 231, A549 and Hela cell, Human fetal muscle tissue lysates; Primary antibody: 216987(ACTN1 Antibody) at

dilution 1/500; Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution;

xposure time: 20 seconds



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