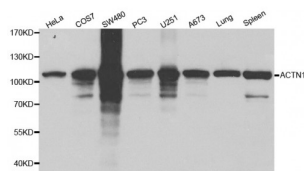


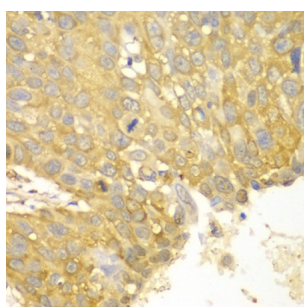
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Alpha Actinin 1 (ACTN1) Antibody

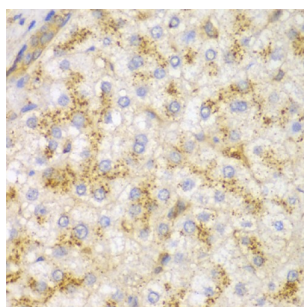
Catalogue No.: abx001074



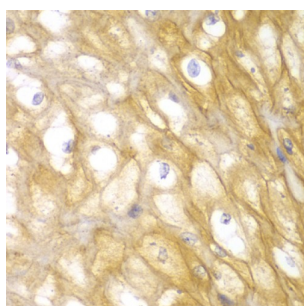
Western blot analysis of extracts of various cell lines, using ACTN1 antibody (abx001074) at 1/500 dilution.



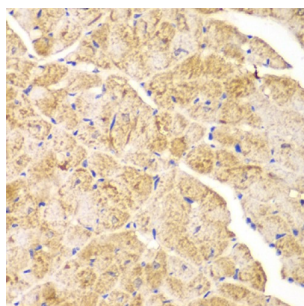
Immunohistochemistry of paraffin-embedded human lung cancer using ACTN1 antibody (abx001074) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver cancer using ACTN1 antibody (abx001074) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophagus using ACTN1 antibody (abx001074) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse heart using ACTN1 antibody (abx001074) at dilution of 1/100 (40x lens).

ACTN1 Antibody is a Rabbit Polyclonal antibody against ACTN1. Alpha actinins belong to the spectrin gene superfamily which

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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.

Target: ACTN1

Reactivity: Human, Mouse, Monkey

Host: Rabbit

Clonality: Polyclonal

Tested Applications: WB, IHC

Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Recombinant protein of human ACTN1.

Purification: Affinity purified.

Form: Liquid

Isotype: IgG

Conjugation: Unconjugated

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight: Calculated MW: 102 kDa/103 kDa/105 kDa/107 kDa
Observed MW: 110 kDa

Swiss Prot: [P12814](#)

GeneID: [87](#)

Gene Symbol: ACTN1

Concentration: > 1 mg/ml

Buffer: PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

Note: This product is for research use only.