

Actinin α polyclonal antibody

Catalog: BS90023

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

103 kDa

Swiss-Prot:

P12814(Human) Q7TPR4(Mouse) Q9Z1P2(Rat)

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:500-1:1,000

ICC:1:50-1:100

IHC:1:50-1:200

FC:1:50-1:100

Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

Specificity:

Actinin α polyclonal antibody detects endogenous levels of Actinin α protein.

DATA:

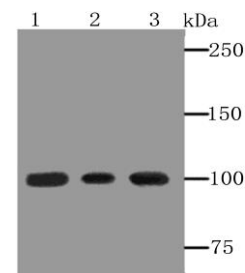


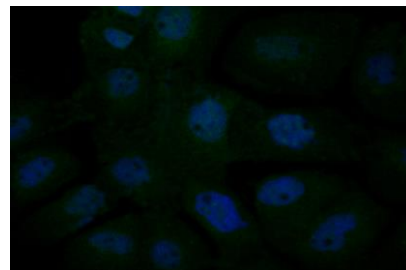
Fig1:Western blot analysis of alpha Actinin on different lysates using anti-alpha Actinin antibody at 1/500 dilution.

Positive control:

Lane1: A431

Lane2: Rat colon tissue

Lane3: Mouse colon tissue



ICC staining alpha Actinin in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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