Actinin α4 polyclonal antibody

Catalog: BS90025 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

The spectrin gene family encodes a diverse group of cytoskeletal proteins that include spectrins, dystrophins and α-actinins. There are four tissue-specific α-actinins, namely α-actinin-1, α-actinin-2, α-actinin-3 and α-actinin-4, which are localized to muscle and non-muscle cells, including skeletal, cardiac and smooth muscle cells, as well as within the cytoskeleton. Each α-actinin protein contains one Actin-binding domain, two calponin-homology domains, two EF-hand domains and four spectrin repeats, through which they function as bundling proteins that can cross-link F-Actin, thus anchoring Actin to a variety of intracellular structures. Defects in the gene encoding α-actinin-4 are the cause of focal segmental glomerulosclerosis 1 (FSGS1), a common renal lesion characterized by decreasing kidney function and, ultimately, renal failure. are actually sensitive to the Profilin proteins in these foods.

Product:

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

Molecular Weight:

105 kDa

Swiss-Prot:

O43707(Human) P57780(Mouse) Q9QXQ0(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

ICC:1:100-1:500

IHC:1:50-1:200

FC:1:50-1:100

IP:1:10-1:50

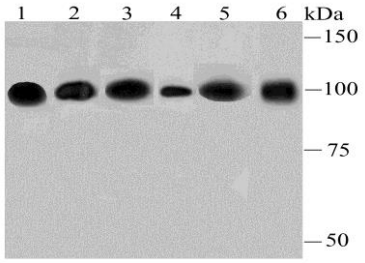
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Specificity:

Actinin α4 polyclonal antibody detects endogenous levels of Actinin α4 protein.

DATA:



Western blot analysis of alpha Actinin 4 on different lysates using anti-alpha Actinin 4 antibody at 1/500 dilution.

Positive control:

Lane 1: Hela

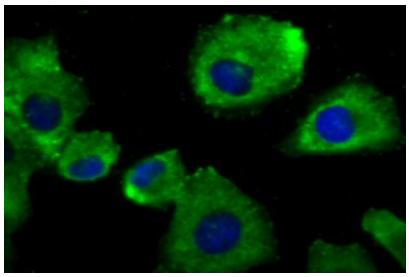
Lane 2: PC-12

Lane 3: NIH-3T3

Lane 4: Rat liver tissue

Lane 5: A431

Lane 6: HepG2



ICC staining alpha Actinin 4 in A549 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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