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ACTN1 Polyclonal Antibody

Cat #: G-AB-07582

Host: Rabbit **Reactivity:** Human, Mouse

Isotype: IgG **Clonality:**

Overview:
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.

Gene ID: 87

Accession #:

Immunogen: Recombinant fusion protein of human ACTN1 (NP_001123477.1).

Conjugation: Unconjugated

Swissprot: P12814

Calculated Molecular Weight: 102 kDa/103 kDa/105 kDa/107 kDa

Observed Molecular Weight: 105 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3

Purification Method: Affinity purification

Application: WB,IHC

Dilution: WB 1:500-1:2000 IHC 1:50-1:200

Storage: Store at -20°C. Avoid freeze / thaw cycles.