

## Actinin-?1 Polyclonal Antibody Cat No: HR1AP9370

For research use only

## **Overview**

| Product Name             | Actinin-?1 Polyclonal Antibody   |
|--------------------------|--|
| Source                   | Rabbit   |
| Applications             | WB,IHC-p   |
| Species Reactivity       | Mouse,Rat  |
| Recommended Dilutions    |  |
| Immunogen                |  |
| Species                  | Rabbit   |
| Storage                  | -20°C/1 year   |
| Isotype                  |  |
| Clonality                |  |
| Concentration            |  |
| Observed band            | 103kDa   |
| GeneID?Human?            | ACTN1  |
| Human Swiss-<br>Prot No. |  |
| Cellular<br>localization |  |
| Alternative Names        | ACTN1; Alpha-actinin-1; Alpha-actinin cytoskeletal isoform; F-actin cross-linking protein; Non-muscle alpha-actinin-1  |
| Background               | actinin alpha 1(ACTN1) Homo sapiens 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. [provided by RefSeq, Jul 2008], |