

Product overview

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| product name | a-actinin mouse Monoclonal Antibody(4A12) |
| catalog No. | ATA24107 |
| Category | Primary antibodies |
| Host | Mouse |
| Species specificity | Human,Rat,Mouse |
| Tested applications | IHC-p |
| Clonality | Monoclonal |
| Conjugation | Unconjugated |
| Immunogen | Recombinant Protein of a-actinin of ACTN1 |

Product performance

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| Form | Liquid |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | -20°C/1 year |
| Purity | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |

Dilution range

IHC 1:100-200

Product 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],