

Product overview

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

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],