

α -actinin Mouse Monoclonal Antibody(4A12)

Catalog No: RA10100

Basic Information

Host species	Mouse
Applications	IHC
Species Cross-Reactivity	H,R,M
Specificity	Antibody can detects endogenous α -actinin protein.
Recommended dilutions	IHC: 1:100-200 Optimal dilutions should be determined by the end user.

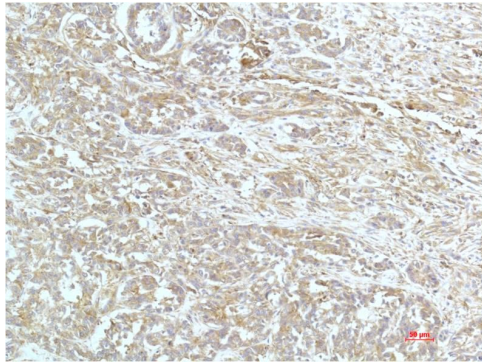
Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

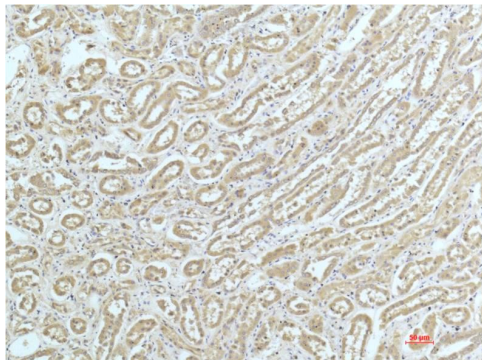
Background

Alternative Names	actinin 1 smooth muscle antibody, actinin alpha 1 antibody, ACTN 1 antibody, FLJ40884 antibody
Observed band	103
Human Gene ID	87
Human Swiss-Prot Number	P12814
Background	α -Actinin belongs to the spectrin family of cytoskeletal proteins. α -Actinin is necessary for the attachment of actin filaments to the Z-lines in skeletal muscle cells, and to the dense bodies in smooth muscle cells. The functional protein is an anti-parallel dimer, which cross-links the thin filaments in adjacent sarcomeres, and therefore coordinated contractions between sarcomeres in the horizontal axis.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using α -actinin Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Kidney Tissue using α -actinin Mouse mAb diluted at 1:200.