



ELK Biotechnology

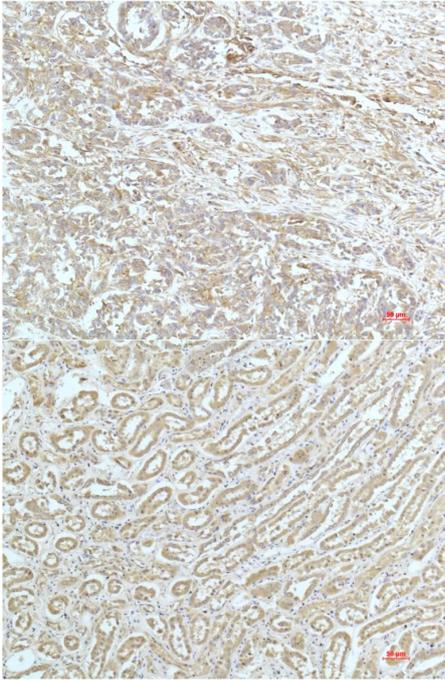
a-actinin (4A12) Mouse mAb

Catalog NO.: EM1261

For research use only.

Overview

Product name	a-actinin (4A12) Mouse Monoclonal antibody
Source	Mouse
Applications	IHC
Species reactivity	Human Rat Mouse
Recommended dilutions	Immunohistochemistry:1/100-200 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Recombinant Protein
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	103kDa
GeneID (Human)	87
Human Swiss-Prot No.	P12814
Cellular localization	Cell junction Cell membrane Cell projection Cytoplasm Cytoskeleton Membrane
Alternative Names	actinin smooth muscle antibody actinin alpha antibody ACTN antibody FLJ40884 antibody
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.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using a-actinin (EM1261) Mouse mAb diluted at:200.

Immunohistochemical analysis of paraffin-embedded Human Kidney Tissue using a-actinin (EM1261) Mouse mAb diluted at:200.