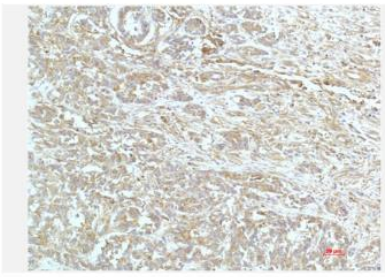
PRODUCT DATA SHEET

a-actinin mAb (4A12)

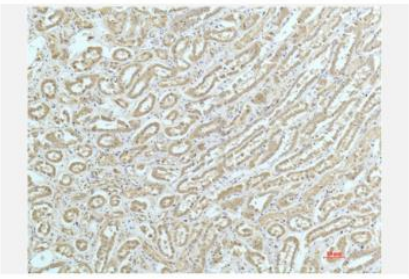
Catalog No.	IDS0053
Reactivity	Human; Mouse; Rat
Applications	IHC-p; IF(paraffin section)
Alternative Names	Alpha-actinin-1; Alpha-actinin cytoskeletal isoform F-actin cross-linking protein Non-muscle alpha-actinin-1; ACTN1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.07% sodium azide.
Source	Mouse
Dilution	IHC: 1:100-1:200; IF: 1:50-1:200
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Concentration	1 mg/ml
Storage&Stability	Store at 4 ℃ short term. Aliquot and store at -20 ℃ long term. Avoid freeze-thaw cycles.
Subcellular Location	-
MW	~ 103 kDa
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].
Swiss-Prot	P12814

Products Images:



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

PRODUCT DATA SHEET



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