

a-actinin (4A12) Mouse mAb

CatalogNo: YM3612 **Orthogonal Validated** 

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF

MW

- 103kD (Observed)

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

IHC 1:200-400**IF/ICC 1:200-400****WB 1:500-2000**

Basic Information

Clonality Monoclonal**Clone Number** 4A12

Immunogen Information

Immunogen Recombinant Protein of a-actinin of ACTN1**Specificity** a-actinin Monoclonal Antibody(4A12) detects endogenous levels of ACTN1

Target Information

Gene name ACTN1

Protein Name ACTN1

Organism	Gene ID	UniProt ID
Human	87 ;	P12814 ;
Mouse		Q7TPR4 ;
Rat		Q9Z1P2 ;

Cellular Localization

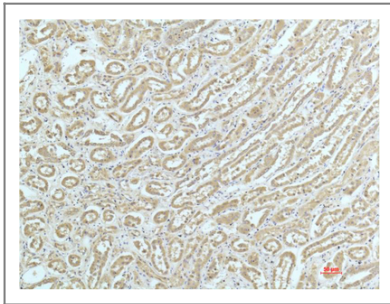
Cytoplasm, cytoskeleton . Cytoplasm, myofibril, sarcomere, Z line . Cell membrane . Cell junction . Cell projection, ruffle . Colocalizes with MYOZ2 and PPP3CA at the Z-line of heart and skeletal muscle. Colocalizes with PSD in membrane ruffles and central reticular structures. .

Tissue specificity Colon,Epithelium,Hepatocyte,Neuroblastoma,Placenta,Platelet,Skin,Tumor of tongue,

Function

Function:F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.,similarity:Belongs to the alpha-actinin family.,similarity:Contains 1 actin-binding domain.,similarity:Contains 2 CH (calponin-homology) domains.,similarity:Contains 2 EF-hand domains.,similarity:Contains 4 spectrin repeats.,subcellular location:Colocalizes with MYOZ2 and PPP3CA at the Z-line of heart and skeletal muscle.,subunit:Homodimer; antiparallel. Interacts with DDN, MYOZ2, PDLIM2, TTID and LPP.,

Validation Data



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

Contact information

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Please scan the QR code to access additional product information:
a-actinin (4A12) Mouse mAb

