

## 39-1054: Anti-alpha-Actinin Monoclonal Antibody (Clone: EA-53)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	EA-53
<b>Application :</b>	WB,IHC-P,IHC-F
<b>Reactivity :</b>	Human
<b>Gene :</b>	Actn2
<b>Gene ID :</b>	291245
<b>Uniprot ID :</b>	D3ZCV0
<b>Alternative Name :</b>	Protein Actn2 ; RCG30552 ; Actn2 ; rCG_30552
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Rabbit skeletal alpha-actinin.

### Description

Alpha-actinin was initially isolated from rabbit skeletal muscle as a factor that induces the gelation of F-actin and promotes the superprecipitation of actomyosin. Alpha actinins are actin-binding proteins that carry out different purposes in different different cell types. In myofibrillar cells, alpha-actinin constitutes a major component of Z-discs in striated muscle and of the functionally analogous dense bodies and dense plaques in smooth muscle. Alpha-actinin(alpha A) shares structural homology with spectrin and dystrophin.

### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

### Application Note

Western blot : 3.5-7 µg/ml; Immunohistochemistry(Paraffin-embedded Section) : 3.5-7 µg/ml;  
Immunohistochemistry(Frozen Section) : 3.5-7 µg/ml

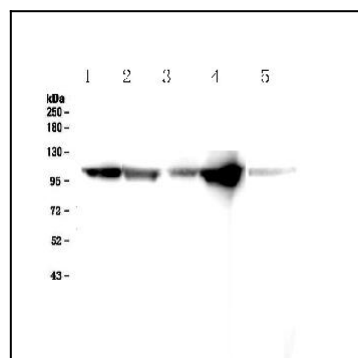


Figure 1: Western blot analysis of Alpha-Actinin using Anti-Alpha-Actinin antibody(39-1054). Lane 1: Rat cardiac muscle tissue lysates, Lane 2: Rat skeletal muscle tissue lysates, Lane 3: Mouse cardiac muscle tissue lysates, Lane 4: Mouse skeletal muscle tissue lysates, Lane 5: Human placenta tissue lysate.

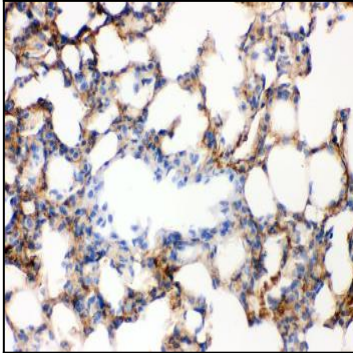


Figure 2: IHC analysis of Alpha-Actinin using anti-Alpha-Actinin antibody(39-1054).

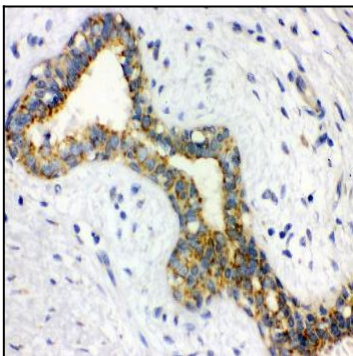


Figure 3: IHC analysis of Alpha-Actinin using Anti-Alpha-Actinin antibody(39-1054).