

**a-actinin-1 protein**

<b>Catalog No :</b>	YD0128
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;SDS-PAGE
<b>Gene Name :</b>	ACTN2
<b>Protein Name :</b>	a-actinin-1 protein
<b>Sequence :</b>	Amino acid: 1-205, with his-MBP tag.
<b>Human Gene Id :</b>	88
<b>Human Swiss Prot No :</b>	P12814
<b>Mouse Swiss Prot No :</b>	Q9JI91
<b>Rat Swiss Prot No :</b>	Q9Z1P2
<b>Formulation :</b>	Liquid in PBS
<b>Source :</b>	E.coli
<b>Dilution :</b>	WB 1:500-2000
<b>Concentration :</b>	SDS-PAGE >90%
<b>Storage Stability :</b>	-20°C/6 month,-80°C for long storage
<b>Function :</b>	muscle system process, protein complex assembly, muscle contraction, cell-substrate junction assembly, cell adhesion,cell-matrix adhesion, regulation of cell death, biological adhesion, cell projection organization, cell projection assembly,microspike assembly, cell-substrate adhesion, cell junction assembly, cell junction organization, regulation of apoptosis, regulation of programmed cell death, macromolecular complex subunit organization, focal adhesion formation, protein oligomerization, protein homooligomerization, protein tetramerization, protein homotetramerization,macromolecular complex assembly, protein complex biogenesis,

**Subcellular Location :** Cytoplasm, myofibril, sarcomere, Z line . Colocalizes with MYOZ1 and FLNC at the Z-lines of skeletal muscle.

**Expression :** Expressed in both skeletal and cardiac muscle.

## Products Images

