

Anti-Actinin-alpha antibody



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| Description | Rabbit polyclonal to Actinin-alpha1. |
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| Model | STJ91465 |
| Host | Rabbit |
| Reactivity | Human, Mouse, Rat |
| Applications | ELISA, WB |
| Immunogen | Synthesized peptide derived from human Actinin-alpha1 |
| Immunogen Region | 1-80 aa, N-terminal |
| Gene ID | 87 |
| Gene Symbol | ACTN1 |
| Dilution range | WB 1:500-1:2000ELISA 1:40000 |
| Specificity | Actinin-alpha1 Polyclonal Antibody detects endogenous levels of Actinin-alpha1 protein. |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Note | For Research Use Only (RUO). |
| Protein Name | Alpha-actinin-1 Alpha-actinin cytoskeletal isoform F-actin cross-linking protein Non-muscle alpha-actinin-1 |
| Molecular Weight | 103 kDa |
| Clonality | Polyclonal |
| Conjugation | Unconjugated |

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| Isotype | IgG |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Concentration | 1 mg/ml |
| Storage Instruction | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| Database Links | HGNC:163 OMIM:102575 |
| Alternative Names | Alpha-actinin-1 Alpha-actinin cytoskeletal isoform F-actin cross-linking protein Non-muscle alpha-actinin-1 |
| Function | F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein. |
| 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 . |
| Post-translational Modifications | The monomethylation of Lys-84 regulates actin-myosin interactions and actomyosin-dependent processes. ALKBH4 will demethylate Lys-84, which is required for maintaining actomyosin dynamics, and support normal cleavage furrow ingression during cytokinesis and cell migration. |

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