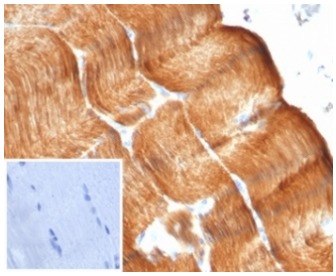
# Recombinant Sarcomeric Alpha Actinin Antibody / Alpha Actinin 2 / ACTN2 [clone ACTN2/7041R] (V9433)

| Catalog No. | Formulation | Size |
|---|---|---|
| V9433-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9433-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9433SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

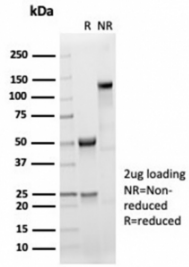
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG, kappa |
| **Clone Name** | ACTN2/7041R |
| **Purity** | Protein A/G affinity |
| **UniProt** | P35609 |
| **Localization** | Cytoplasm |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml |
| **Limitations** | This recombinant Sarcomeric Alpha Actinin antibody is available for research use only. |



IHC staining of FFPE human skeletal muscle with recombinant Sarcomeric Alpha Actinin antibody (clone ACTN2/7041R). Negative control inset: PBS used instead of primary antibody to control for secondary Ab binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free recombinant Sarcomeric Alpha Actinin antibody (clone ACTN2/7041R) as confirmation of integrity and purity.

## Description

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 non-muscle 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 muscle-specific, alpha actinin isoform that is expressed in both skeletal and cardiac muscles. Several transcript variants encoding different isoforms have been found for this gene.

## Application Notes

Optimal dilution of the recombinant Sarcomeric Alpha Actinin antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 557-692 from the human protein was used as the immunogen for the recombinant Sarcomeric Alpha Actinin antibody.

## Storage

Aliquot the recombinant Sarcomeric Alpha Actinin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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