

## Product datasheet for **AP50072PU-N**

### ACTN3 (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western blotting:</b> 1/100 - 1/500. <b>Immunohistochemistry:</b> 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 408-437 amino acids from the Central region of human ACTN3
Specificity:	This antibody reacts to Alpha-actinin-3.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	actinin alpha 3 (gene/pseudogene)
Database Link:	<a href="#">Entrez Gene 89 Human Q08043</a>
Background:	Alpha-actinin is an actin-binding protein with multiple roles in different cell types. This gene expression is limited to skeletal muscle. It is localized to the Z-disc and analogous dense bodies, where it helps to anchor the myofibrillar actin filaments.
Synonyms:	Alpha actinin skeletal muscle isoform 3

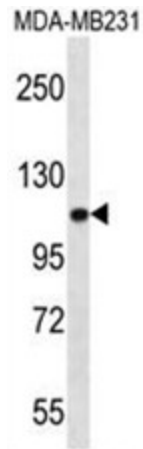


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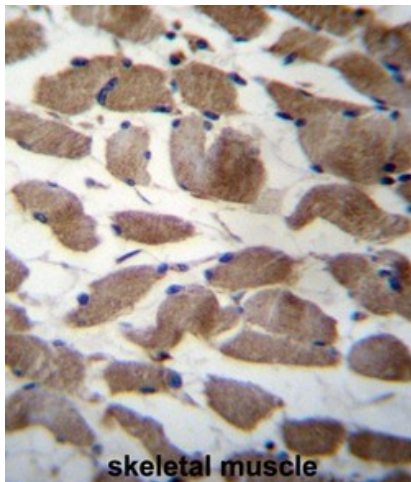
**Note:** **Molecular Weight:** 103241 Da

**Protein Pathways:** Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton, Systemic lupus erythematosus, Tight junction

**Product images:**



ACTN3 Antibody (Center) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the ACTN3 antibody detected the ACTN3 protein (arrow).



ACTN3 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ACTN3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.