

## Product datasheet for **AM32080PU-N**

### alpha Actinin (ACTN1) Mouse Monoclonal Antibody [Clone ID: CB11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CB11
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Western blotting:</b> 1/1000. <b>Immunohistochemical on Frozen Sections.</b> <b>Other Immunoassays for cellular and tumor biology.</b>
Reactivity:	Chicken, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified a-actinin from Chicken gizzard. Hybridoma produced by fusion between myeloma cells and Balb/c spleen cells.
Specificity:	The antibody clone <i>CB11</i> is specific to the 100 kD Alpha-Actinin polypeptide and reacts with Human and Chicken cells.
Formulation:	PBS State: Ig Fraction State: Liquid Ig fraction Stabilizer: 1.0% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	actinin alpha 1
Database Link:	<a href="#">Entrez Gene 87 Human P12814</a>



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**Background:**

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.

**Synonyms:**

Alpha actinin cytoskeletal isoform, Non-muscle alpha-actinin 1