

## **Product datasheet for TA329965**

## Actn2 Rabbit Polyclonal Antibody

## **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

**Host:** Rabbit

**Isotype:** IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-ACTN2 antibody: synthetic peptide corresponding to a region of

Mouse. Synthetic peptide located within the following region: IQSYSIRISSSNPYSTVTMDELRNKWDKVKQLVPVRDQSLQEELARQHAN

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 98 kDa

Gene Name: actinin alpha 2

Database Link: NP 150371

Entrez Gene 88 Human

Q9JI91

**Background:** The alpha-actinins are a multigene family of four actin-binding proteins related to dystrophin.

The two skeletal muscle isoforms of alpha-actinin (ACTN2 and ACTN3) are major structural components of the Z-line involved in anchoring the actin-containing thin filaments. In humans, ACTN2 is expressed in all muscle fibres, while ACTN3 expression is restricted to a subset of type 2 fibres. Murine Actn2 and Actn3 are differentially expressed, spatially and temporally, during embryonic development and, in contrast to humans, alpha-actinin-2 expression does not completely overlap alpha-actinin-3 in postnatal skeletal muscle,

suggesting independent function.



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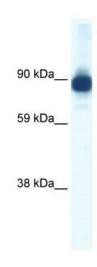


Synonyms: CMD1AA

Note: Immunogen sequence homology: Rat: 100%; Mouse: 100%; Dog: 93%; Pig: 93%; Horse: 93%;

Human: 93%; Bovine: 93%; Rabbit: 93%; Guinea pig: 93%; Zebrafish: 83%

## **Product images:**



WB Suggested Anti-ACTN2 Antibody Titration: 0.625 ug/ml; ELISA Titer: 1:312500; Positive Control: Human Muscle