

# Product Datasheet

## Alpha Actinin 4 Antibody H00000081-D01P

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00000081-D01P****Alpha Actinin 4 Antibody**

| <b>Product Information</b> |                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>           | 0.1 mg                                                                                                           |
| <b>Concentration</b>       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>             | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.                                                     |
| <b>Clonality</b>           | Polyclonal                                                                                                       |
| <b>Preservative</b>        | No Preservative                                                                                                  |
| <b>Isotype</b>             | IgG                                                                                                              |
| <b>Purity</b>              | Protein A purified                                                                                               |
| <b>Buffer</b>              | PBS (pH 7.4)                                                                                                     |

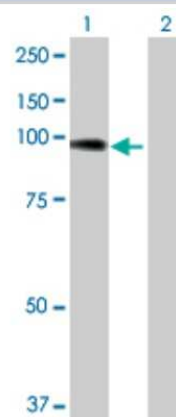
| <b>Product Description</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>             | Quality control test: Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene ID</b>                 | 81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Symbol</b>             | ACTN4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Specificity/Sensitivity</b> | ACTN4 - actinin, alpha 4,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>               | ACTN4 (NP_004915.2, 1 a.a. - 911 a.a.) full-length human protein.<br>MVDYHAANQSYQYGPSSAGNGAGGGGSMGDYMAQEDDWDRDLLLDPawe<br>KQQRKTFTAWCNSHLRKAGTQIENIDEDFRDGLKLMLLLEVISGERLPKPERGK<br>MRVHKINNvnKALDFIASKGVKLVSIGAEIVDGNAMTLGMIWTIILRFAIQDISV<br>EETSAKEGLLLWCQRKTAPYKNVNVQNFHISWKDGLAFNALIHRHRPELIEYDK<br>LRKDDPVTNLNNAFEVAEKYLDIPKMLDAEDIVNTARPDekAIMTYVSSFYHAFS<br>GAQKAETAANRICKVLAVNQENEHLMEDYEKLASDLLEWIRRTIPWLEDVRPQ<br>KTIQEMQQKLEDFRDYRRVHKPPKVQEKQCQLEINFNTLQTKLRLSNRPAFMPS<br>EGKMVSDINNGWQHLEQAekGYEEWLLNEIRRLERLDHLAEKFRQKASIHEAW<br>TDGKEAMLKHRDYETATLSDIKALIRKHEAFESDLAAHQDRVEQIAAIAQELNEL<br>DYYDSHNVNTRCQKICDQWDALGSLTHSRREALEKTEKQLEAIDQLHLEYAKR<br>AAPFNNWMESAMEDLQDMFIVHTIEEIEGLISAHDQFKSTLPADREREAILAIH<br>KEAQRIAESNHKLSGSNPYTTVTPQIINSKWEKVQQLVPKRDHALLEEQSKQQ<br>SNEHLRRQFASQANVVGPIQTKMEEIGRISIEMNGTLEDQLSHLKQYERSIVD<br>YKPNLDLLEQQHQLIQEALIFDNKHTNYTMEHIRVGWEQLTTIARTINEVENQIL<br>TRDAKGISQEQMQEFRAFNHFDKDHGGALGPEEFKACLISLGYDVENDRQG<br>EAEFNRIMSLVDPNHSGLVTFQAFIDFMSRETTDTDTADQVIASFKVLAGDKNFI<br>TAEELRRELPPDQAEYCIARMAPYQGPDAVPGALDYKSFSTALYGESDL |
| <b>Notes</b>                   | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| <b>Product Application Details</b> |                                                                                                                                                                 |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                | Western Blot, Immunocytochemistry/Immunofluorescence, Proximity Ligation Assay                                                                                  |
| <b>Recommended Dilutions</b>       | Western Blot, Immunocytochemistry/Immunofluorescence, Proximity Ligation Assay                                                                                  |
| <b>Application Notes</b>           | Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB and also on transfected lysate in WB. GST tag alone is used as a negative control. |

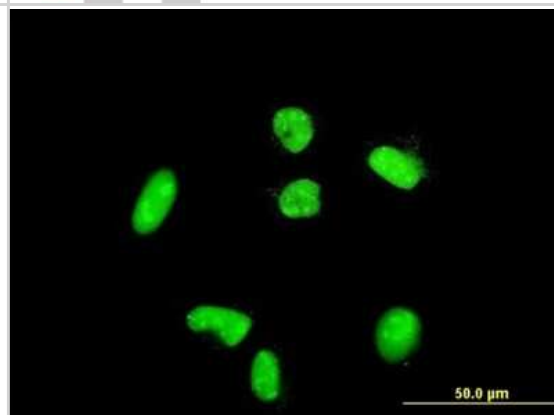


## Images

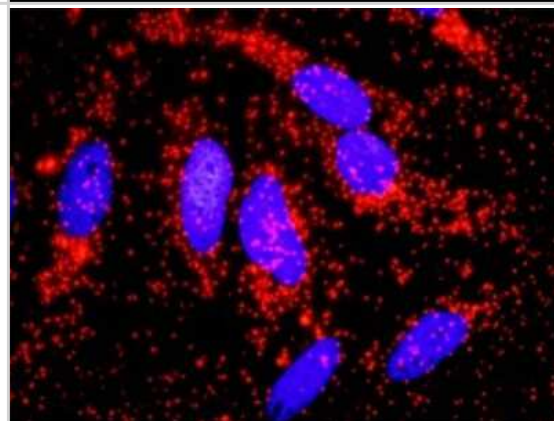
Western Blot: Alpha Actinin 4 Antibody [H00000081-D01P] - Analysis of ACTN4 expression in transfected 293T cell line by ACTN4 polyclonal antibody. Lane 1: ACTN4 transfected lysate (104.90 KDa). Lane 2: Non-transfected lysate.



Immunocytochemistry/Immunofluorescence: Alpha Actinin 4 Antibody [H00000081-D01P] - Analysis of rabbit antibody to ACTN4 on HeLa cell. Antibody concentration 10 ug/ml.



Proximity Ligation Assay: Alpha Actinin 4 Antibody [H00000081-D01P] - Analysis of protein-protein interactions between ACTN4 and CTNNB1. HeLa cells were stained with anti-ACTN4 rabbit purified polyclonal 1:1200 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis.  
Primary Antibodies are guaranteed for 1 year from date of receipt.

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