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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58413_P050-Biotin
Product Page	www.avivasysbio.com/actn1-antibody-n-terminal-region-biotin-arp58413-p050-biotin.html
Name	ACTN1 Antibody - N-terminal region : Biotin (ARP58413_P050-Biotin)
Protein Size (# AA)	892 amino acids
Molecular Weight	103kDa
Conjugation	Biotin
NCBI Gene Id	87
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Actinin, alpha 1
Alias Symbols	BDPLT15
Peptide Sequence	Synthetic peptide located within the following region: DHYDSQQTNDYMQPEEDWDRDLLLDPAAWEKQQRKTFTAWCNSHLRKAGTQ
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Li,Q., (2007) J. Neurochem. 103 (6), 2391-2400
Description of Target	Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle 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. 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 nonmuscle 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 nonmuscle, cytoskeletal, alpha actinin isoform and maps to the same site as the structurally similar erythroid beta spectrin gene. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	SPERT; KCTD6; MICALL2; MYOZ2; EPM2AIP1; OAS1; ACTN3; ACTN1; SUMO2; SUMO3; HSF5; UBC; MDM2; EZH2; BMI1; ACTN4; CDAN1; DCAF8; SF3A3; STAM2; SRP19; UBD; IGSF8; ICAM1; CD81; ERBB2IP; SVIL; PDHX; RPS27; PSMA1; KPNA2; HCVgp1; PIAS4; GIT2; NUMBL; HSP90AB1; HSP90
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-ACTN1 (ARP58413_P050-Biotin) antibody
Blocking Peptide	For anti-ACTN1 (ARP58413_P050-Biotin) antibody is Catalog # AAP58413 (Previous Catalog # AAPP34838)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ACTN1
Uniprot ID	P12814
Protein Name	Alpha-actinin-1
Protein Accession #	NP_001093
Purification	Affinity Purified
Nucleotide Accession #	NM_001102

Gene Symbol	ACTN1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 75%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%
Image 1	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

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This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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