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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP53662_P050-HRP
Product Page	www.avivasysbio.com/actl7b-antibody-middle-region-hrp-arp53662-p050-hrp.html
Name	ACTL7B Antibody - middle region : HRP (ARP53662_P050-HRP)
Protein Size (# AA)	416 amino acids
Molecular Weight	46kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	10880
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Actin-like 7B
Alias Symbols	Tactl
Peptide Sequence	Synthetic peptide located within the following region: KLITIGQERFRCSEMLFQPSLAGSTQPLPELTAACLGRCDTGKEEMA
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Humphray, S.J., (2004) Nature 429 (6990), 369-374
Description of Target	ACTL7B is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. Based on mutational analysis of the ACTL7B gene in patients with this disorder, it was concluded that it is unlikely to be involved in the pathogenesis of dysautonomia. Unlike ACTL7A, the ACTL7B gene is expressed predominantly in the testis, however, its exact function is not known. The protein encoded by this gene is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene (ACTL7B), and related gene, ACTL7A, are intronless, and are located approximately 4 kb apart in a head-to-head orientation within the familial dysautonomia candidate region on 9q31. Based on mutational analysis of the ACTL7B gene in patients with this disorder, it was concluded that it is unlikely to be involved in the pathogenesis of dysautonomia. Unlike ACTL7A, the ACTL7B gene is expressed predominantly in the testis, however, its exact function is not known.
Protein Interactions	APP;
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-ACTL7B (ARP53662_P050-HRP) antibody
Blocking Peptide	For anti-ACTL7B (ARP53662_P050-HRP) antibody is Catalog # AAP53662 (Previous Catalog # AAP30504)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ACTL7B
Uniprot ID	Q9Y614
Protein Name	Actin-like protein 7B
Protein Accession #	NP_006677
Purification	Affinity Purified
Nucleotide Accession #	NM_006686
Gene Symbol	ACTL7B

Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 77%; Dog: 83%; Human: 100%; Mouse: 85%; Rat: 92%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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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