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Produktinformation



Forschungsprodukte & Biochemikalien



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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	ARP56762_P050-FITC
Product Page	www.avivasysbio.com/ache-antibody-middle-region-fitc-arp56762-p050-fitc.html
Name	ACHE Antibody - middle region : FITC (ARP56762_P050-FITC)
Protein Size (# AA)	614 amino acids
Molecular Weight	68kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	43
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Acetylcholinesterase
Alias Symbols	YT, ACEE, ARACHE, N-ACHE
Peptide Sequence	Synthetic peptide located within the following region: VGVVKDEGSYFLVYGAPGFSKDNESLISRAEFLAGVRVGVPOVSDLAAEA
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	<ul style="list-style-type: none"> * Discovery and initial validation of $\hat{I}\pm$ 1-B glycoprotein fragmentation as a differential urinary biomarker in pediatric steroid-resistant nephrotic syndrome. Piyaphanee N, <i>et al.</i> <i>Proteomics Clin Appl</i>, 2011 Jun. * Human CRISP-3 binds serum alpha(1)B-glycoprotein across species. Udby L, <i>et al.</i> <i>Biochim Biophys Acta</i>, 2010 Apr. * Proteomic analysis identifies MMP-9, DJ-1 and A1BG as overexpressed proteins in pancreatic juice from pancreatic ductal adenocarcinoma patients. Tian M, <i>et al.</i> <i>BMC Cancer</i>, 2008 Aug 16. * Human plasma N-glycoproteome analysis by immunoaffinity subtraction, hydrazide chemistry, and mass spectrometry. Liu T, <i>et al.</i> <i>J Proteome Res</i>, 2005 Nov-Dec. * The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, <i>et al.</i> <i>Genome Res</i>, 2004 Oct.
Description of Target	Acetylcholinesterase hydrolyzes the neurotransmitter, acetylcholine at neuromuscular junctions and brain cholinergic synapses, and thus terminates signal transmission. It is also found on the red blood cell membranes, where it constitutes the Yt blood group
Protein Interactions	COL1A1; PRIMA1; COLQ; HAND1; EIF2D; LAMA1; LAMB1; COL4A1; APP; ACHE;
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-ACHE (ARP56762_P050-FITC) antibody
Blocking Peptide	For anti-ACHE (ARP56762_P050-FITC) antibody is Catalog # AAP56762 (Previous Catalog # AAPP39619)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ACHE
Uniprot ID	P22303
Protein Name	Acetylcholinesterase
Protein Accession #	NP_000656
Purification	Affinity Purified
Nucleotide Accession #	NM_000665
Gene Symbol	ACHE
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish

Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 86%; Rat: 100%; Zebrafish: 100%
Image 1	 A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The two antigen-binding sites are formed by the variable regions of the light chains.

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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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