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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	ARP58432_P050-Biotin
Product Page	www.avivasysbio.com/ca1-antibody-n-terminal-region-biotin-arp58432-p050-biotin.html
Name	CA1 Antibody - N-terminal region : Biotin (ARP58432_P050-Biotin)
Protein Size (# AA)	261 amino acids
Molecular Weight	29kDa
Conjugation	Biotin
NCBI Gene Id	759
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Carbonic anhydrase I
Alias Symbols	CAB, CA-I, Car1, HEL-S-11
Peptide Sequence	Synthetic peptide located within the following region: ASPDWGYDDKNGPEQWSKLYPIANGNNQSPVDIKTSETKHDTSLKPISVS
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Gambhir,K.K., Biochem. Genet. 45 (5-6), 431-439 (2007)
Description of Target	Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA1 is closely linked to CA2 and CA3 genes on chromosome 8, and it encodes a cytosolic protein which is found at the highest level in erythrocytes. Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA1 is closely linked to CA2 and CA3 genes on chromosome 8, and it encodes a cytosolic protein which is found at the highest level in erythrocytes. Transcript variants of CA1 utilizing alternative polyA sites have been described in literature.
Protein Interactions	TFCP2; HSD17B7; MAPK6;
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-CA1 (ARP58432_P050-Biotin) antibody
Blocking Peptide	For anti-CA1 (ARP58432_P050-Biotin) antibody is Catalog # AAP58432 (Previous Catalog # AAPP34835)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CA1
Uniprot ID	P00915
Protein Name	Carbonic anhydrase 1
Protein Accession #	NP_001729
Purification	Affinity Purified
Nucleotide Accession #	NM_001738
Gene Symbol	CA1
Predicted Species Reactivity	Human, Rat, Cow, Dog, Guinea Pig, Pig, Sheep
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 79%; Dog: 86%; Guinea Pig: 79%; Human: 100%; Pig: 100%; Rat: 79%; Sheep: 79%
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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