



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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| | |
|------------------------------|---|
| Product Number | ARP58432_P050-FITC |
| Product Page | www.avivasysbio.com/ca1-antibody-n-terminal-region-fitc-arp58432-p050-fitc.html |
| Name | CA1 Antibody - N-terminal region : FITC (ARP58432_P050-FITC) |
| Protein Size (# AA) | 261 amino acids |
| Molecular Weight | 29kDa |
| Conjugation | FITC: Fluorescein Isothiocyanate |
| 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-FITC) antibody |
| Blocking Peptide | For anti-CA1 (ARP58432_P050-FITC) 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.

AVIVA SYSTEMS BIOLOGY
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