



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP58432_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/ca1-antibody-n-terminal-region-hrp-arp58432-p050-hrp.html">www.avivasysbio.com/ca1-antibody-n-terminal-region-hrp-arp58432-p050-hrp.html</a>
Name	CA1 Antibody - N-terminal region : HRP (ARP58432_P050-HRP)
Protein Size (# AA)	261 amino acids
Molecular Weight	29kDa
Conjugation	HRP: Horseradish Peroxidase
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: <a href="#">ASPDWGYDDKNGPEQWSKLYPIANGNNQSPVDIKTSETKHDTSLKPIVS</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
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 <a href="#">anti-CA1 (ARP58432_P050-HRP) antibody</a>
Blocking Peptide	For anti-CA1 (ARP58432_P050-HRP) antibody is <a href="#">Catalog# AAP58432</a> (Previous Catalog# AAPP34835)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CA1
Uniprot ID	<a href="#">P00915</a>
Protein Name	Carbonic anhydrase 1
Protein Accession #	<a href="#">NP_001729</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_001738</a>
Gene Symbol	<a href="#">CA1</a>
Predicted Species Reactivity	Human, Rat, Cow, Dog, Guinea Pig, Pig, Sheep
Application	WB

<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 79%; Dog: 86%; Guinea Pig: 79%; Human: 100%; Pig: 100%; Rat: 79%; Sheep: 79%
<b>Image 1</b>	

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  
6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | [info@avivasysbio.com](mailto:info@avivasysbio.com)