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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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	ARP55476_P050-HRP
Product Page	www.avivasysbio.com/sgms1-antibody-middle-region-hrp-arp55476-p050-hrp.html
Name	Sgms1 Antibody - middle region : HRP (ARP55476_P050-HRP)
Protein Size (# AA)	419 amino acids
Molecular Weight	46kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	208449
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Alias Symbols	SM, Mob, Sms1, Sor1, SMS1b, SMS1g, C80702, Tmem23, AI841905, 9530058O11Rik
Peptide Sequence	Synthetic peptide located within the following region: LTTVMISVVHERVPPKEVQPPLPDTFFDHFNRVQWAFSICEINGMILVGL
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Description of Target	Bidirectional lipid cholinephosphotransferase is capable of converting phosphatidylcholine (PC) and ceramide to sphingomyelin (SM) and diacylglycerol (DAG) and vice versa. Direction is dependent on the relative concentrations of DAG and ceramide as phosphocholine acceptors. Sgms1 directly and specifically recognizes the choline head group on the substrate. It also requires two fatty chains on the choline-P donor molecule in order to be recognized efficiently as a substrate. Sgms1 does not function strictly as a SM synthase and suppresses BAX-mediated apoptosis and also prevents cell death in response to stimuli such as hydrogen peroxide, osmotic stress, elevated temperature and exogenously supplied sphingolipids. Sgms1 may protect against cell death by reversing the stress-inducible increase in levels of proapoptotic ceramide.
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-Sgms1 (ARP55476_P050-HRP) antibody
Blocking Peptide	For anti-Sgms1 (ARP55476_P050-HRP) antibody is Catalog # AAP55476
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of Mouse Sgms1
Uniprot ID	Q8VCO6
Protein Name	Phosphatidylcholine:ceramide cholinephosphotransferase 1
Protein Accession #	NP_659041
Purification	Affinity Purified
Nucleotide Accession #	NM_144792
Gene Symbol	Sgms1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 77%

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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