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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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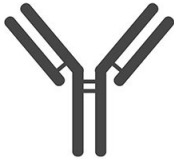
www.szabo-scandic.com

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GUCA1A Antibody - N-terminal region : Biotin (ARP54309_P050-Biotin)

Data Sheet

Product Number	ARP54309_P050-Biotin
Product Page	www.avivasysbio.com/guca1a-antibody-n-terminal-region-biotin-arp54309-p050-biotin.html
Name	GUCA1A Antibody - N-terminal region : Biotin (ARP54309_P050-Biotin)
Protein Size (# AA)	201 amino acids
Molecular Weight	23kDa
Conjugation	Biotin
NCBI Gene Id	2978
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Guanylate cyclase activator 1A (retina)
Alias Symbols	COD3, GCAP, GUCA, GCAP1, GUCA1, CORD14, C6orf131
Peptide Sequence	Synthetic peptide located within the following region: LYEFRQFFGLKNLSPSASQYVEQMFETFDENKDG YIDFMEYVAALSLVLK
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Michaelides,M., (2005) Ophthalmology 112 (8), 1442-1447
Description of Target	GUCA1A(GCAP1) plays a role in the recovery of retinal photoreceptors from photobleaching. In the recovery phase, the phototransduction messenger cGMP is replenished by retinal guanylyl cyclase-1 (GC1). GC1 is activated by decreasing Ca(2+) concentrations following photobleaching. The protein mediates the sensitivity of GC1 to Ca(2+) concentrations. GCAP1 promotes activity of GC1 at low Ca(2+) concentrations and inhibits GC1 activity at high Ca(2+) concentrations. Mutations in this gene cause autosomal dominant cone dystrophy (COD3); a disease characterized by reduced visual acuity associated with progressive loss of color vision. Mutations in this gene prohibit the inactivation of RetGC1 at high Ca(2+) concentrations; causing the constitutive activation of RetGC1 and, presumably, increased cell death. This gene is expressed in retina and spermatagonia.
Protein Interactions	GUCY2D;
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-GUCA1A (ARP54309_P050-Biotin) antibody
Blocking Peptide	For anti-GUCA1A (ARP54309_P050-Biotin) antibody is Catalog # AAP54309 (Previous Catalog # AAP31058)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GUCA1A
Uniprot ID	P43080
Protein Name	Guanylyl cyclase-activating protein 1
Protein Accession #	NP_000400
Purification	Affinity Purified
Nucleotide Accession #	NM_000409
Gene Symbol	GUCA1A
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 100%; Guinea Pig: 86%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 93%; Rabbit: 93%; Rat: 100%
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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