GUCA1A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GUCA1A, Polyclonal Antibody
Full Product Name	GUCA1A Polyclonal Conjugated Antibody
Product Gene Name	anti-GUCA1A antibody
Product Synonym Names	GUCA1A Conjugated Antibody; GUCA1A; C6orf131; COD3; CORD14; GCAP; GCAP1; GUCA; GUCA1; guanylate cyclase activator 1A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	22,920 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (42123144..42147794). Location: 6p21.1
OMIM	600364
3D Structure	ModBase 3D Structure for P43080
Immunogen	Recombinant fusion protein of human GUCA1A (NP_000400.2).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-GUCA1A antibody	Most Applications
Application Notes for anti-GUCA1A antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-GUCA1A antibody	This gene encodes an enzyme that plays a role in the recovery of retinal photoreceptors from photobleaching. This enzyme promotes the activity of retinal guanylyl cyclase-1 (GC1) at low calcium concentrations and inhibits GC1 at high calcium concentrations. Mutations in this gene can cause cone dystrophy 3 and code-rod dystrophy 14. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-GUCA1A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for GUCA1A purchase	MBS9442475 is an antibody targeting GUCA1A. Also known as GUCA1A Polyclonal Conjugated Antibody. Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GUCA1A. It may not necessarily be applicable to this product.

NCBI GI #	40254415
NCBI GeneID	2978
NCBI Accession #	NP_000400.2
UniProt Primary Accession #	P43080
UniProt Secondary Accession #	Q7Z6T1; Q9NU14; B3KWT4
UniProt Related Accession #	P43080
GenBank Nucleotide #	NM_000409.3
NCBI Official Full Name	guanylyl cyclase-activating protein 1
NCBI Official Synonym Full Names	guanylate cyclase activator 1A (retina)
NCBI Official Symbol	GUCA1A
NCBI Official Synonym Symbols	COD3; GCAP; GUCA; GCAP1; GUCA1; CORD14; C6orf131; dJ139D8.6
UniProt Protein Name	Guanylyl cyclase-activating protein 1
UniProt Synonym Protein Names	Guanylate cyclase activator 1A
Protein Family	Guanylyl cyclase-activating protein
UniProt Gene Name	GUCA1A
UniProt Synonym Gene Names	C6orf131; GCAP; GCAP1; GUCA1
UniProt Entry Name	GUC1A_HUMAN
NCBI Protein Information	guanylyl cyclase-activating protein 1; GCAP 1; cone dystrophy 3; OTTHUMP00000016397; OTTHUMP00000196466; OTTHUMP00000196468; guanylin 1, retina; guanylate cyclase-activating protein, photoreceptor 1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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