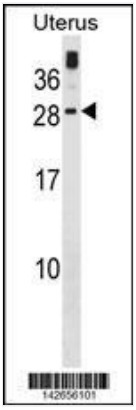
GUCA1C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GUCA1C, Polyclonal Antibody
Full Product Name	GUCA1C, CT (GUCA1C, GCAP3, Guanylyl cyclase-activating protein 3, Guanylate cyclase activator 1C) (PE)
Product Gene Name	anti-GUCA1C antibody
Product Synonym Names	GUCA1C; GCAP3; Guanylyl cyclase-activating protein 3; Guanylate cyclase activator 1C
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	23,822 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (108626642..108672677, complement). Location: 3q13.1
OMIM	605128
3D Structure	ModBase 3D Structure for O95843
Immunogen	GUCA1C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 171-199 amino acids from the C-terminal region of human GUCA1C.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-GUCA1C antibody	Antibodies; Enzymes; Cyclase
Applications Tested/Suitable for anti-GUCA1C antibody	Western Blot (WB), FLISA
Application Notes for anti-GUCA1C antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GUCA1C antibody	GUCA1C stimulates guanylyl cyclase 1 (GC1) and GC2 when free calcium ions concentration is low and inhibits guanylyl cyclases when free calcium ions concentration is elevated. This Ca(2+)-sensitive regulation of guanylyl cyclase (GC) is a key event in recovery of the dark state of rod photoreceptors following light exposure.
Product References and Citations for anti-GUCA1C antibody	Stephen, R., et al. J. Mol. Biol. 359(2):266-275(2006). Imanishi, Y., et al. Eur. J. Neurosci. 15(1):63-78(2002). Haeseleer, F., et al. J. Biol. Chem. 274(10):6526-6535(1999).

Other Notes	Small volumes of anti-GUCA1C 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 GUCA1C purchase	MBS6305085 is an antibody targeting GUCA1C. Also known as GUCA1C, CT (GUCA1C, GCAP3, Guanylyl cyclase-activating protein 3, Guanylate cyclase activator 1C) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GUCA1C antibody
GUCA1C Antibody (C-term) western blot analysis in human Uterus tissue lysates (35ug/lane).This demonstrates the GUCA1C antibody detected the GUCA1C protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GUCA1C. It may not necessarily be applicable to this product.

NCBI GI #	215983090
NCBI GeneID	9626
NCBI Accession #	NP_005450.3
UniProt Primary Accession #	O95843
UniProt Secondary Accession #	O95844; Q9UNM0
UniProt Related Accession #	O95843; Q3SY23
GenBank Nucleotide #	NM_005459.3
NCBI Official Full Name	guanylyl cyclase-activating protein 3
NCBI Official Synonym Full Names	guanylate cyclase activator 1C
NCBI Official Symbol	GUCA1C
NCBI Official Synonym Symbols	GCAP3; MGC120158; MGC120159
UniProt Protein Name	Guanylyl cyclase-activating protein 3
UniProt Synonym Protein Names	Guanylate cyclase activator 1C
Protein Family	Guanylyl cyclase-activating protein
UniProt Gene Name	GUCA1C
UniProt Synonym Gene Names	GCAP3
UniProt Entry Name	GUC1C_HUMAN
NCBI Protein Information	guanylyl cyclase-activating protein 3; GCAP 3; OTTHUMP00000214337; OTTHUMP00000214338; OTTHUMP00000214339

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