GSG1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GSG1, Polyclonal Antibody
Full Product Name	GSG1, CT (GSG1, Germ cell-specific gene 1 protein) (MaxLight 490)
Product Gene Name	anti-GSG1 antibody
Product Synonym Names	GSG1; Germ cell-specific gene 1 protein
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 MaxLight490.
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: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	38,155 Da
3D Structure	ModBase 3D Structure for Q2KHT4
Immunogen	GSG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 302-330 amino acids from the C-terminal region of human GSG1.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-GSG1 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-GSG1 antibody	Western Blot (WB), FLISA
Application Notes for anti-GSG1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GSG1 antibody	GSG1 may cause the redistribution of PAPOLB from the cytosol to the endoplasmic reticulum (By similarity).
Product References and Citations for anti-GSG1 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003). Venter, J.C., et al. Science 291(5507):1304-1351(2001). Matsui, M., et al. Mamm. Genome 8(11):873-874(1997).
Other Notes	Small volumes of anti-GSG1 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 GSG1 purchase	MBS6304641 is an antibody targeting GSG1. Also known as GSG1, CT (GSG1, Germ cell-specific gene 1 protein) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GSG1. It may not necessarily be applicable to this product.

NCBI GI #	123317872
NCBI GeneID	83445
NCBI Accession #	NP_001074023.1
NCBI Related Accession #	NP_001074024.1
UniProt Primary Accession #	Q2KHT4
UniProt Secondary Accession #	Q8N4M3; Q8NBR4; Q8NBS0; Q8NBT1; Q96LP9; Q96SI6; Q9BUY4
UniProt Related Accession #	Q2KHT4
GenBank Nucleotide #	NM_001080554.2
NCBI Official Full Name	germ cell-specific gene 1 protein isoform 3
NCBI Official Synonym Full Names	germ cell associated 1
NCBI Official Symbol	GSG1
UniProt Protein Name	Germ cell-specific gene 1 protein
Protein Family	Germ cell-specific gene 1 protein
UniProt Gene Name	GSG1
UniProt Entry Name	GSG1_HUMAN
NCBI Protein Information	germ cell-specific gene 1 protein
UniProt Comments for GSG1	GSG1: May cause the redistribution of PAPOLB from the cytosol to the endoplasmic reticulum. Belongs to the GSG1 family. 8 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 12p13.1 Cellular Component: endoplasmic reticulum membrane; integral to membrane
Research Articles on GSG1	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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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