GSG1L Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GSG1L, Polyclonal Antibody
Full Product Name	GSG1L Conjugated Antibody
Product Gene Name	anti-GSG1L antibody
Product Synonym Names	PRO19651
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total GSG1L protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	20,586 Da
3D Structure	ModBase 3D Structure for Q6UXU4
Immunogen	Fusion protein of human GSG1L
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-GSG1L antibody	Most Applications
Application Notes for anti-GSG1L 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-GSG1L antibody	As a component of the inner core of AMPAR complex, modifies AMPA receptor (AMPAR) gating.
Other Notes	Small volumes of anti-GSG1L 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 GSG1L purchase	MBS9455196 is an antibody targeting GSG1L. Also known as GSG1L Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GSG1L. It may not necessarily be applicable to this product.

NCBI GI #	19116249

NCBI GeneID	146395
NCBI Accession #	BC016460
UniProt Primary Accession #	Q6UXU4
UniProt Secondary Accession #	Q7Z6F8; Q8TB81
UniProt Related Accession #	Q6UXU4
NCBI Official Full Name	Homo sapiens GSG1-like, mRNA
NCBI Official Synonym Full Names	GSG1 like
NCBI Official Symbol	GSG1L
NCBI Official Synonym Symbols	PRO19651
UniProt Protein Name	Germ cell-specific gene 1-like protein
Protein Family	Germ cell-specific gene 1-like protein
UniProt Gene Name	GSG1L
UniProt Synonym Gene Names	GSG1-like protein
UniProt Entry Name	GSG1L_HUMAN
NCBI Protein Information	germ cell-specific gene 1-like protein
UniProt Comments for GSG1L	Function: As a component of the inner core of AMPAR complex, modifies AMPA receptor (AMPAR) gating By similarity. Subunit structure: Component of the inner core of AMPAR complex. AMPAR complex consists of an inner core made of 4 pore-forming GluA/GRIA proteins (GRIA1, GRIA2, GRIA3 and GRIA4) and 4 major auxiliary subunits arranged in a twofold symmetry. One of the two pairs of distinct binding sites is occupied either by CNIH2, CNIH3 or CACNG2, CACNG3. The other harbors CACNG2, CACNG3, CACNG4, CACNG8 or GSG1L. This inner core of AMPAR complex is complemented by outer core constituents binding directly to the GluA/GRIA proteins at sites distinct from the interaction sites of the inner core constituents. Outer core constituents include at least PRRT1, PRRT2, CKAMP44/SHISA9, FRRS1L and NRN1. The proteins of the inner and outer core serve as a platform for other, more peripherally associated AMPAR constituents. Alone or in combination, these auxiliary subunits control the gating and pharmacology of the AMPAR complex and profoundly impact their biogenesis and protein processing By similarity. Subcellular location: Cell membrane; Multi-pass membrane protein By similarity. Cell junction › synapse By similarity. Sequence similarities: Belongs to the GSG1 family.
Research Articles on GSG1L	**1.** gene expression experiment revealed that CYP2B6, SPON1, and GSG1L can be activated concomitantly through a constitutive androstane receptor (CAR) activation pathway
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