



Rabbit Anti-GPSM1 antibody

SL7865R

Product Name:	GPSM1
Chinese Name:	G protein signal调节蛋白1抗体
Alias:	Activator of G-protein signaling 3; AGS3; AGS3 homolog; C10a; G protein signaling modulator 1 (AGS3 like, C. elegans); G-protein-signaling modulator 1; GPSM1; GPSM1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	75kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GPSM1:201-300/675
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Guanine nucleotide dissociation inhibitor (GDI) which functions as a receptor-independent activator of heterotrimeric G-protein signaling. Keeps G(i/o) alpha subunit in its GDP-bound form thus uncoupling heterotrimeric G-proteins signaling from G protein-coupled receptors. Controls spindle orientation and asymmetric cell fate of cerebral cortical progenitors. May also be involved in macroautophagy in intestinal

cells. May play a role in drug addiction.

Function:

Guanine nucleotide dissociation inhibitor (GDI) which functions as a receptor-independent activator of heterotrimeric G-protein signaling. Keeps G(i/o) alpha subunit in its GDP-bound form thus uncoupling heterotrimeric G-proteins signaling from G protein-coupled receptors. Controls spindle orientation and asymmetric cell fate of cerebral cortical progenitors. May also be involved in macroautophagy in intestinal cells. May play a role in drug addiction.

Subunit:

Interacts with GNAI1, GNAI2 and GNAI3 preferentially in their GDP-bound state. May also interact with GNAO1. Interacts with STK11/LKB1 and MACF1 (By similarity). Interacts with INSC/inscuteable and FRMPD1.

Subcellular Location:

Cytoplasm, cytosol. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side.

Tissue Specificity:

Expressed in intestinal cells.

Post-translational modifications:

Phosphorylation regulates interaction with G(i/o) alpha.

Similarity:

Belongs to the GPSM family.
Contains 4 GoLoco domains.
Contains 9 TPR repeats.

SWISS:

Q86YR5

Gene ID:

26086

Database links:

[Entrez Gene: 26086](#)Human

[Entrez Gene: 67839](#)Mouse

[Entrez Gene: 246254](#)Rat

[Omim: 609491](#)Human

[SwissProt: Q86YR5](#)Human

[SwissProt: Q6IR34](#)Mouse

[SwissProt: Q9R080](#)Rat

[Unigene: 239370](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com