

For Research Use Only

CoraLite® Plus 488-conjugated GPSM1 Monoclonal antibody



Catalog Number:CL488-68233

Basic Information

Catalog Number: CL488-68233	GenBank Accession Number: BC017353	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 26086	CloneNo.: 3A7A2
Source: Mouse	Full Name: G-protein signaling modulator 1 (AGS3-like, C. elegans)	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 652 aa, 72 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG18773	Observed MW: 75 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : A431 cells,
Species Specificity: Human, mouse	

Background Information

GPSM1, also named as AGS3, is a receptor-independent G protein activator that has been implicated in multiple biological events such as brain development, neuroplasticity and addiction, cardiac function, Golgi structure/function, macroautophagy and metabolism. It contains seven tetratricopeptide repeats in its N-terminal half and four G-protein regulatory (GPR) motifs in its C-terminal half. It has been shown that AGS3 could regulate the orientation of the mitotic spindle, cAMP production, membrane protein transport, and asymmetric cell division by binding preferentially to inactive Gai/o subunits complexed with guanine dinucleotide phosphate (GDP) at multiple G-protein regulatory or GoLoco motif repeats. It also plays an important anti-apoptotic role through enhancing the phosphorylation of cyclic AMP response element-binding protein (p-CREB).

Storage

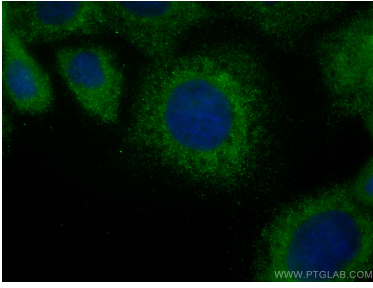
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CoraLite® Plus 488 GP5M1 antibody (CL488-68233, Clone: 3A7A2) at dilution of 1:200.