À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-GPSM1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:11483-1-AP Phare 2 Publications

Informations de base

Numéro de catalogue:
11483-1-AP

Taille:
150ul , Concentration: 450 μg/ml by Nanodrop and 260 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG2018

Numéro d'acquisition GenBank:
BC017353

Identification du gène (NCBI):
26086

Nom complet:
G-protein signaling modulator 1 (AGS3-like, C. elegans)

MW calculé
652 aa, 72 kDa

MW observés:
72 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IHC 1:50-1:500
IF 1:10-1:100

Applications

Applications testées:
IF, IHC, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, tissu cérébral de souris, tissu cérébral humain, tissu testiculaire de souris

IHC : tissu de cancer de l'œsophage humain,

IF : cellules HepG2,

Informations générales

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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Jing Yan	36434066	Nat Commun	WB,IHC,IF
Xuzi Cai	33220708	J Ovarian Res	WB,IHC

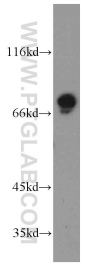
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

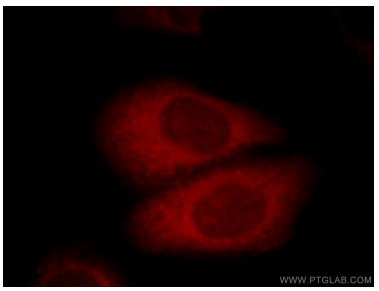
*** Les 20ul contiennent 0,1% de BSA.

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

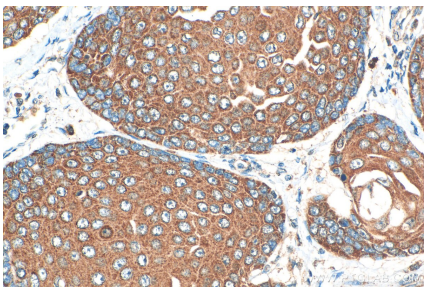
Données de validation sélectionnées



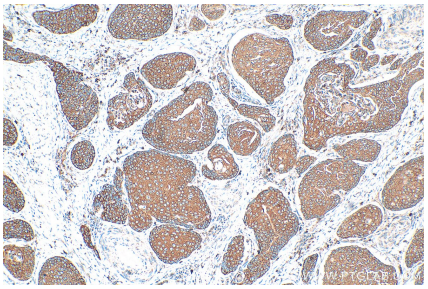
HeLa cells were subjected to SDS PAGE followed by western blot with 11483-1-AP (AGS3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using GPSM1 antibody 11483-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 11483-1-AP (GPSM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 11483-1-AP (GPSM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).