

For Research Use Only

# GPSM2 Polyclonal antibody

Catalog Number: 11608-2-AP

Featured Product

6 Publications



## Basic Information

Catalog Number:

11608-2-AP

Size:

413 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2167

GenBank Accession Number:

BC027732

GeneID (NCBI):

29899

UNIPROT ID:

P81274

Full Name:

G-protein signaling modulator 2  
(AGS3-like, C. elegans)

Calculated MW:

75 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human

Cited Species:

human, mouse

## Background Information

GPSM2 belongs to a family of proteins that modulate activation of G proteins. GPSM2 assists in the exchange of guanine nucleotides, and allows extracellular signals to be transmitted to cells via cell surface, and ultimately plays a key role in the activation of G-proteins. Therefore, GPSM2 is a critical factor for the stability of cell division. Some recent studies have shown that GPSM2 messenger RNA (mRNA) is overexpressed and plays a positive role in the development of certain tumors, such as liver cancer, pancreatic cancer, breast cancer. It also plays a role in neuroblast division and in the development of normal hearing. Mutations in GPSM2 are associated with autosomal recessive nonsyndromic deafness (DFNB82), which is a form of non-syndromic deafness characterized by prelingual, bilateral, severe, sensorineural hearing loss.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yecheng Jin	27255603	Sci Rep	IF
Yoni Bhonker	26662512	Mamm Genome	IF
Seldin Lindsey L	24109598	Mol Biol Cell	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

---

## Selected Validation Data