

## GPSM1 antibody

### Product Information

Catalog No.:	FNab00221
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

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).

### Immunogen information

Immunogen:	G-protein signaling modulator 1(AGS3-like, <i>C. elegans</i> )
Synonyms:	G-protein-signaling modulator 1 Activator of G-protein signaling 3 GPSM1 AGS3
Observed MW:	72 kDa
Uniprot ID :	Q86YR5

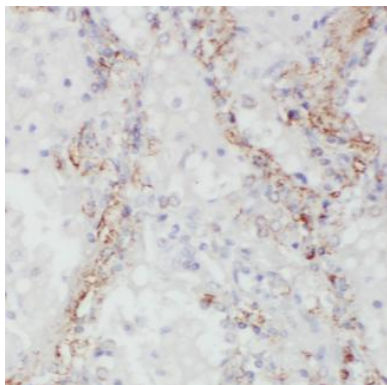
### Application

Reactivity:	Human, Mouse, Rat
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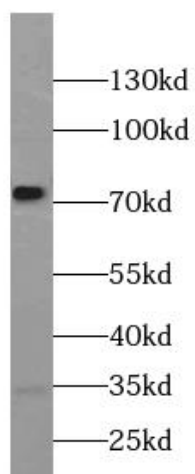
Tested Application: ELISA, IHC, IF, WB

Recommended dilution: WB: 1:200-1:2000; IF: 1:10-1:100; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human lung cancer using FNab00221(AGS3 antibody) at dilution of 1:50



HeLa cells were subjected to SDS PAGE followed by western blot with FNab00221(AGS3 antibody) at dilution of 1:600