

## AGS3 Polyclonal Antibody

<b>Catalog No :</b>	YT0143
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	AGS3
<b>Fields :</b>	>>Cocaine addiction
<b>Gene Name :</b>	GPSM1
<b>Protein Name :</b>	G-protein-signaling modulator 1
<b>Human Gene Id :</b>	26086
<b>Human Swiss Prot No :</b>	Q86YR5
<b>Mouse Gene Id :</b>	67839
<b>Mouse Swiss Prot No :</b>	Q6IR34
<b>Rat Gene Id :</b>	246254
<b>Rat Swiss Prot No :</b>	Q9R080
<b>Immunogen :</b>	Synthesized peptide derived from the Internal region of human AGS3.
<b>Specificity :</b>	AGS3 Polyclonal Antibody detects endogenous levels of AGS3 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Molecularweight :** 72kD

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**Background :** G-protein signaling modulators (GPSMs) play diverse functional roles through their interaction with G-protein subunits. This gene encodes a receptor-independent activator of G protein signaling, which is one of several factors that influence the basal activity of G-protein signaling systems. The protein contains seven tetratricopeptide repeats in its N-terminal half and four G-protein regulatory (GPR) motifs in its C-terminal half. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],

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**Function :** domain:The GoLoco domains mediate interaction with G(i/o) alpha (By similarity). The GoLoco domains are essential for the GDI activity toward G(i/o) alpha.,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.,PTM:Phosphorylation regulates interaction with G(i/o) alpha.,similarity:Belongs to the GPSM family.,similarity:Contains 4 GoLoco domains.,similarity:Contains 9 TPR repeats.,subunit:Interacts with GNAI1, GNAI2 and GNAI3 preferentially in their GDP-bound state. May also interact

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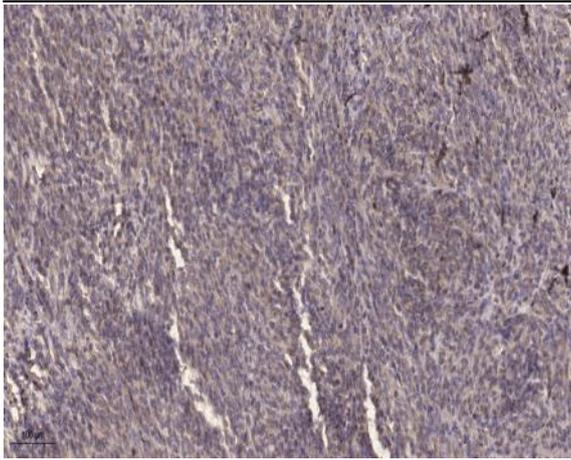
**Subcellular Location :** Cytoplasm, cytosol. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side.

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**Expression :** Expressed in intestinal cells.

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## Products Images



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).