

AGS3 Polyclonal Antibody

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

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

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

Molecularweight : 72kD

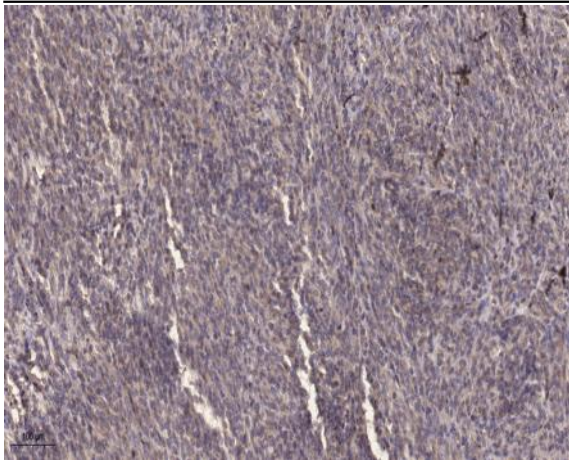
Background : G-protein signaling modulators (GPSMs) play diverse functional roles through their interaction with G-protein subunits. This gene encodes a receptor-independent activator of G protein signaling, which is one of several factors that influence the basal activity of G-protein signaling systems. 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],

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

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.

Expression : Expressed in intestinal cells.

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).