Product name:	AGS3 Rabbit Polyclonal Antibody
Cat number:	ABN06682
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from the Internal region of human AGS3.
Reactivity:	Human,Mouse,Rat
Applications:	IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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],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 with GNAO1. Interacts with STK11/LKB1 and MACF1 (By similarity). Interacts with INSC/inscuteable and FRMPD1.,tissue specificity:Expressed in intestinal cells.,