

Rabbit anti-Human, mouse GPR18 Polyclonal Antibody | anti-GPR18 antibody

GPR18 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229761	Rabbit	Human, mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

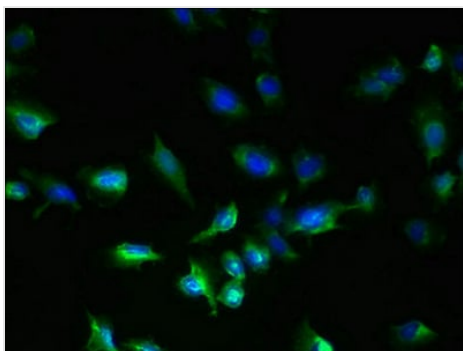
PRODUCT SYNONYMS

GPR18; Polyclonal Antibody; GPR18 Antibody; N-arachidonyl glycine receptor (NAGly receptor) (G-protein coupled receptor 18); GPCRW; anti-GPR18 antibody

PRODUCT SPECIFICATIONS

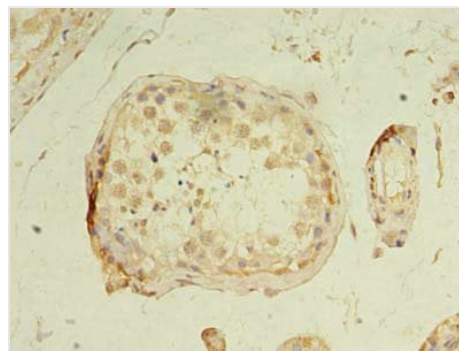
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Applicable Applications for anti-GPR18 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human N-arachidonyl glycine receptor protein (290-331AA)
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Immunogen Species	Human
Research Area	Neuroscience
Target Names	GPR18
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79501 / sc-79503 / sc-79504
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



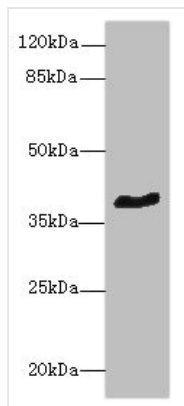
IHC (Immunohistochemisry)

Immunofluorescent analysis of U251 cells using AAA229761 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA229761 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: GPR18 antibody at 8ug/ml+ Mouse brain tissueGoat polyclonal to rabbit
at 1/10000 dilutionPredicted band size: 39 kDaObserved band size: 39 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-GPR18 antibody

Receptor for endocannabinoid N-arachidonyl glycine (NAGly) (PubMed:16844083, PubMed:24762058, PubMed:27572937). However, conflicting results about the role of NAGly as an agonist are reported (PubMed:27018161). Can also be activated by plant-derived and synthetic cannabinoid agonists (PubMed:24762058). The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase (PubMed:16844083). May contribute to regulation of the immune system. Is required for normal homeostasis of CD8+ subsets of intraepithelial lymphocytes (IELs) (CD8alphaalpha and CD8alphabeta IELs)in small intestine by supporting preferential migration of CD8alphaalpha T-cells to intraepithelial compartment over lamina propria compartment, and by mediating their reconstitution into small intestine after bone marrow transplant (By similarity). Plays a role in hypotensive responses, mediating reduction in intraocular and blood pressure (By similarity). Mediates NAGly-induced process of reorganization of actin filaments and induction of acrosomal exocytosis (PubMed:27572937).

NCBI AND UNIPROT INFORMATION

NCBI GI #	148235349
NCBI GeneID	2841
NCBI Accession #	NP_001091670.1
NCBI GenBank Nucleotide #	NM_001098200.1
UniProt Accession #	Q14330; Q6GTM3; Q96HI6; Q9H2L2
NCBI Official Full Name	N-arachidonyl glycine receptor
NCBI Official Synonym Full Names	G protein-coupled receptor 18
NCBI Official Symbol	GPR18
NCBI Protein Information	N-arachidonyl glycine receptor
UniProt Protein Name	N-arachidonyl glycine receptor
UniProt Gene Name	GPR18
UniProt Synonym Gene Names	GPCRW; NAGly receptor
UniProt Entry Name	GPR18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.