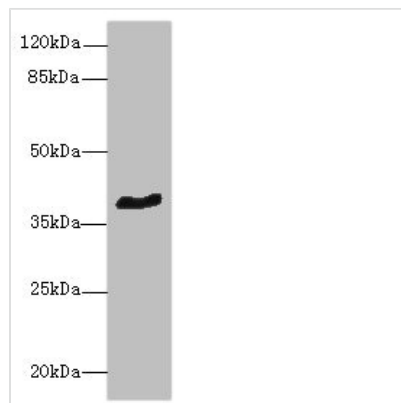




GPR18 Antibody

Product Code	CSB-PA614525LA01HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q14330
Immunogen	Recombinant Human N-arachidonyl glycine receptor protein (290-331AA)
Raised In	Rabbit
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IHC, IF; Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200
Relevance	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).
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	N-arachidonyl glycine receptor (NAGly receptor) (G-protein coupled receptor 18), GPR18, GPCRW
Species	Human
Research Area	Neuroscience
Target Names	GPR18
Image	



Western blot

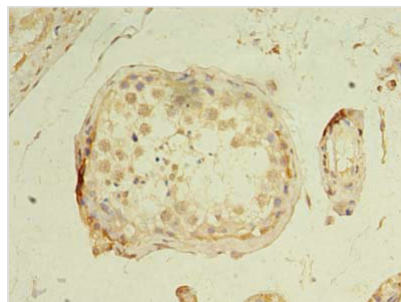
All lanes: GPR18 antibody at 8 μ g/ml + Mouse brain tissue

Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

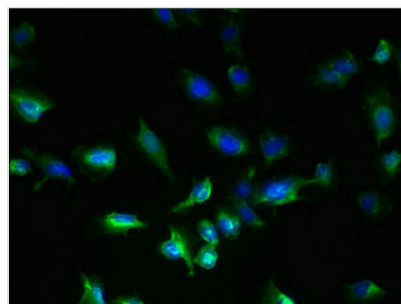
Predicted band size: 39 kDa

Observed band size: 39 kDa



Immunohistochemistry of paraffin-embedded human testis tissue using CSB-

PA614525LA01HU at dilution of 1:100



Immunofluorescent analysis of U251 cells using CSB-PA614525LA01HU at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)