

Anti-PCRW / GPR18 Antibody (Cytoplasmic Domain)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17569**Specification****Anti-PCRW / GPR18 Antibody (Cytoplasmic Domain) - Product Information**

Application	IHC-P
Primary Accession	Q14330
Predicted	Human, Rabbit, Monkey, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38134

Anti-PCRW / GPR18 Antibody (Cytoplasmic Domain) - Additional Information**Gene ID 2841**Alias Symbol **GPR18****Other Names**

GPR18, PCRW, G protein-coupled receptor 18, NAGly receptor, G-protein coupled receptor 18, N-arachidonyl glycine receptor

Target/Specificity

Human GPR18. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ESYT3 (50%).

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-PCRW / GPR18 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-PCRW / GPR18 Antibody (Cytoplasmic Domain) - Protein Information**Name** GPR18**Synonyms** PCRW**Function**

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).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane

Tissue Location

Expressed in midpiece of spermatozoon (at protein level) (PubMed:27572937). Most abundant in testis and spleen (PubMed:16844083). Highly expressed in CD4 and CD8-positive T-cells as well as CD19-positive B-cells (PubMed:16844083)

Anti-GPCRW / GPR18 Antibody (Cytoplasmic Domain) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GPCRW / GPR18 Antibody (Cytoplasmic Domain) - Images