

Datasheet for ABIN7160749  
**anti-GPR18 antibody (AA 290-331)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µg
Target:	GPR18
Binding Specificity:	AA 290-331
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR18 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human N-arachidonyl glycine receptor protein (290-331AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

## Target Details

Target:	GPR18
Alternative Name:	GPR18 ( <a href="#">GPR18 Products</a> )
Background:	Background: Receptor for endocannabinoid N-arachidonyl glycine (NAGly) (PubMed:16844083, PubMed:24762058, PubMed:27572937). However, conflicting results about the role of NAGly as

## Target Details

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). Aliases: GPR18 antibody, GPCRWN-arachidonyl glycine receptor antibody, NAGly receptor antibody, G-protein coupled receptor 18 antibody

UniProt: [Q14330](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

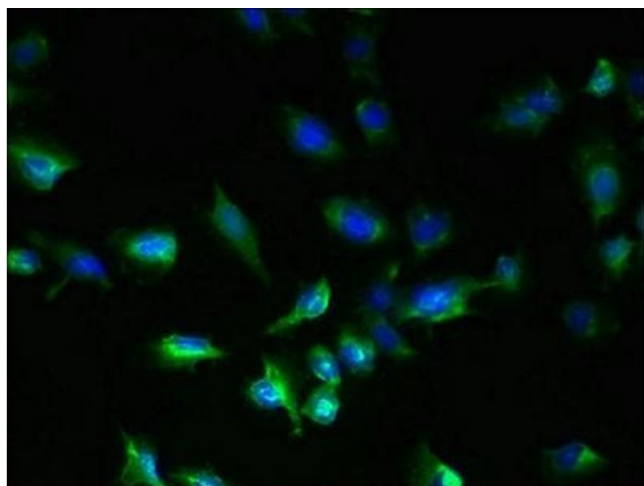
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

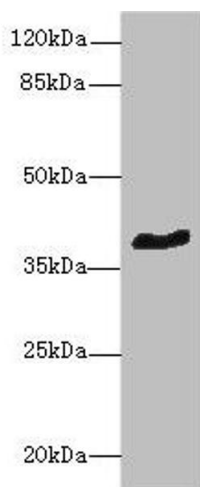
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



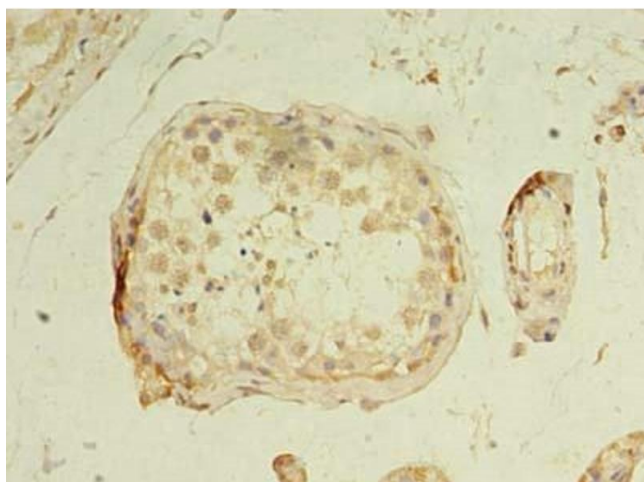
#### Immunofluorescence

**Image 1.** Immunofluorescent analysis of U251 cells using ABIN7160749 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### Western Blotting

**Image 2.** Western blot All lanes: GPR18 antibody at 8 µg/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

**Image 3.** Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7160749 at dilution of 1:100