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## GPR18 Rabbit pAb

Catalog Number: bs-12015R

Target Protein: GPR18

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human (predicted:Mouse, Rat, Rabbit, Pig, Horse)

Predicted MW: 38 kDa

Entrez Gene: 2841

Swiss Prot: Q14330

Source: KLH conjugated synthetic peptide derived from human G protein coupled receptor 18: 131-230/331.

Purification: affinity purified by Protein A

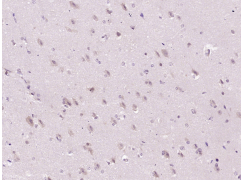
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** G protein-coupled receptors (GPRs), also known as seven transmembrane receptors, heptahelical receptors or 7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-response pathways. G protein coupled receptors translate extracellular signals into intracellular signals (G protein activation) and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR18 is a 331 amino acid multi-pass membrane protein that belongs to the G-protein coupled receptor family. Expressed abundantly in spleen and testis, GPR18 functions as a receptor for N-arachidonyl glycine and is thought to contribute to the regulation of the immune system. GPR18 activity is mediated by G proteins that specifically inhibit adenylyl cyclase.

### VALIDATION IMAGES

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Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GPR18) Polyclonal Antibody, Unconjugated (bs-12015R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

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**[IF=5.858]** Matthieu Bardin. et al. The resolvin D2 – GPR18 axis is expressed in human coronary atherosclerosis and transduces atheroprotection in apolipoprotein E deficient mice. BIOCHEM PHARMACOL. 2022 Jul;201:115075 IHC ; Human . 35525326