

**bs-13524R****[ Primary Antibody ]****GPR21 Rabbit pAb****BioSS**  
**ANTIBODIES**

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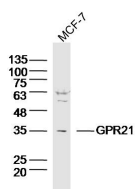
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**— DATASHEET —**

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| <b>Host:</b> Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Isotype:</b> IgG  | <b>Applications:</b> WB (1:500-2000)                          |
| <b>Clonality:</b> Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      | <b>Reactivity:</b> Human (predicted: Pig, Cow, Horse, Monkey) |
| <b>GeneID:</b> 2844                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>SWISS:</b> Q99679 |                                                               |
| <b>Target:</b> GPR21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                                                               |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human G protein coupled receptor 21: 1-100/349.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      | <b>Predicted MW.:</b> 38 kDa                                  |
| <b>Purification:</b> affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      | <b>Subcellular Location:</b> Cell membrane                    |
| <b>Concentration:</b> 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |                                                               |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                                                               |
| <b>Background:</b> 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. GPR21 is a 349 amino acid multi-pass membrane protein that functions as an orphan receptor and belongs to the GPR1 family. The gene encoding GPR21 maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and Familial dysautonomia, are both associated with chromosome 9. |                      |                                                               |

**— VALIDATION IMAGES —**

Sample: MCF-7 (Human) cell Lysate at 40 ug  
Primary: Anti-GPR21 (bs-13524R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 38 kD  
Observed band size: 35 kD