

bs-10054R**[Primary Antibody]****GPR48 Rabbit pAb**

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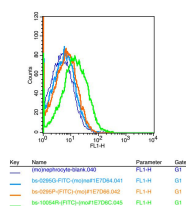
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DATASHEET

Host: Rabbit Clonality: Polyclonal GeneID: 55366 Target: GPR48 Immunogen: KLH conjugated synthetic peptide derived from human LGR4: 301-400/951. < Extracellular > Purification: affinity purified by Protein A Concentration: 1mg/ml 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 (GPCRs), also designated seven transmembrane (7TM) receptors or heptahelical receptors, interact with G proteins (heterotrimeric GTPases) to synthesize intracellular second messengers, such as diacylglycerol, cyclic AMP, inositol phosphates and calcium ions. Their diverse biological functions range from vision and olfaction to neuronal and endocrine signaling and are involved in many pathological conditions. LGR4 (leucine-rich repeat-containing G protein-coupled receptor 4), also known as GPR48, is a 951 amino acid multi-pass membrane protein that contains 15 LRR (leucine-rich repeats) and belongs to the GPCR family. Expressed in multiple tissues, including testis, ovary, placenta, stomach, heart, kidney, pancreas and spleen, LGR4 functions as an orphan receptor that may be involved in physiologic activities throughout the cell. LGR4 is overexpressed in various cancer types and is thought to enhance carcinoma invasiveness and metastasis, suggesting an important role in tumor progression.	Isotype: IgG SWISS: Q9BXB1 Applications: Flow-Cyt (2µg/Test) Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Cow, Dog, Horse) Predicted MW.: 105 kDa Subcellular Location: Cell membrane
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VALIDATION IMAGES

Positive control: mouse nephrocyte(2%)

Paraformaldehyde-fixed) Isotype Control

Antibody: Rabbit IgG; Dilution: 1µg in 100 µl 1 X

PBS containing 0.5% BSA Secondary Antibody:

Goat anti-rabbit IgG-FITC; Dilution: 1:200 in 1 X

PBS containing 0.5% BSA Primary Antibody:

rabbit Anti-GPR48 (bs-10054R); Dilution: 1µg in

100 µl 1X PBS containing 0.5% BSA