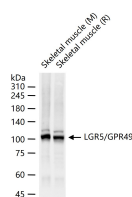**bsm-61052R**

[Primary Antibody]

LGR5/GPR49 Recombinant Rabbit mAb

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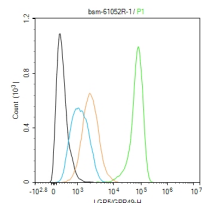www.bioss.com.cn

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400-901-9800

— DATASHEET —

Host: Rabbit

Clonality: Recombinant

GeneID: 8549

Target: LGR5/GPR49

Isotype: IgG

CloneNo.: 8H13

SWISS: O75473

Immunogen: A synthesized peptide derived from human LGR5: 818-907.

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: The protein encoded by this gene is a leucine-rich repeat-containing receptor (LGR) and member of the G protein-coupled, 7-transmembrane receptor (GPCR) superfamily. The encoded protein is a receptor for R-spondins and is involved in the canonical Wnt signaling pathway. This protein plays a role in the formation and maintenance of adult intestinal stem cells during postembryonic development. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Applications: **WB** (1:500-2000) **Flow-Cyt** (1:50-100)

Reactivity: Human, Mouse, Rat

Predicted MW.: 98

Subcellular Location: Cell membrane

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with LGR5/GPR49 monoclonal antibody, unconjugated (bsm-61052R) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

The HepG2 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green): Rabbit Anti-LGR5/GPR49 antibody (bsm-61052R): 1 µg/10^6 cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-60295G-FITC): 1 µg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.