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## GPRC5B Rabbit pAb

Catalog Number: bs-12029R

Target Protein: GPRC5B

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: Flow-Cyt (1µg/Test)

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

Predicted MW: 42 kDa

Entrez Gene: 51704

Swiss Prot: Q9NZH0

Source: KLH conjugated synthetic peptide derived from human G protein coupled receptor family C group 1 member B: 1-100/403.

Purification: affinity purified by Protein A

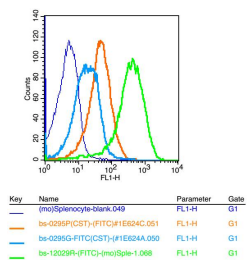
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

**Background:** GPRC5B (G protein-coupled receptor family C group 5 member B, retinoic acid-induced gene 2 protein) is a 403 amino acid protein encoded by the human GPRC5B gene. GPRC5B is an orphan receptor member of the G protein-coupled receptor 3 family. G protein-coupled receptors (GPCRs or GPRs) contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. Key roles for G protein-coupled receptors include control of protein maturation and cell surface delivery, and providing the correct framework for interactions with both heterotrimeric G proteins and arrestins to allow signal generation and termination. This retinoic acid-inducible G protein-coupled receptor provides evidence for a possible interaction between retinoid and G protein signaling pathways. GPRC5B is highly expressed in kidney, pancreas and testis, and has moderate expression in brain, heart, prostate, small intestine and spleen.

### VALIDATION IMAGES

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Positive control: (mo)Splenocytes(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-GPRC5B (bs-12029R); Dilution: 1µg in 100  
 µl 1X PBS containing 0.5% BSA