bs-12021R **[Primary Antibody]**

GPR125 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 166647 **SWISS:** Q8IWK6

Target: GPR125

Immunogen: KLH conjugated synthetic peptide derived from human GPR125: 422-530/1321.

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: GPR125 is an orphan receptor which has a leucine rich repeat (LRR),an immunoglobulin (Ig) domain, and a hormone-binding domain (HBD). The Ig domain shows similarities to motilin andtitin, while the LRR domain shows similarities to LRIG1 and SLIT1-2. ESTs have been isolated primarily from amnion,connective tissue, ear, embryo, eye,ganglion, heart, lung,placenta, and skin libraries.

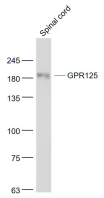
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)

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

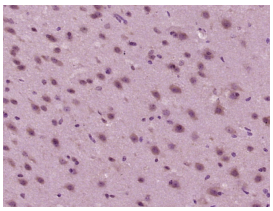
Predicted MW.: 143 kDa

Subcellular Location: Cell membrane

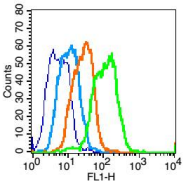
VALIDATION IMAGES



Sample: Spinal cord (Mouse) Lysate at 40 ug Primary: Anti- GPR125 (bs-12021R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 143 kD Observed band size: 183 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (GPR125) Polyclonal Antibody, Unconjugated (bs-12021R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control (blue line): Mouse colon (blue). Primary Antibody (green line): Rabbit Anti-GPR125 antibody (bs-12021R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): F(ab')2 fragment goat anti-rabbit IgG-FITC Dilution: 1μg /test. Protocol The cells were fixed with 2% paraformaldehyde for 10 min at room temperatureCells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.