bs-16270R **[Primary Antibody]**

GPCR ORF4/GPCR GPR137 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 56834 **SWISS:** Q96N19

Target: GPCR ORF4/GPCR GPR137

Immunogen: KLH conjugated synthetic peptide derived from human GPCR ORF4/GPCR GPR137: 201-300/417. < 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: GPR-137 is a 417 amino acid multi-pass membrane protein that belongs to the GPR-137 family. Existing as three alternatively spliced isoforms, the gene encoding GPR-137 maps to human chromosome 11q13.1.

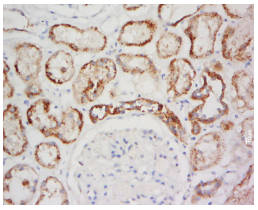
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human

Predicted MW.: 46 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-GPCR ORF4/GPCR GPR137 Polyclonal Antibody, Unconjugated(bs-16270R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=11.4]** Chao Tang. et al. GPR137-RAB8A activation promotes ovarian cancer development via the Hedgehog pathwayJ EXP CLIN CANC RES. 2025 Jan 24;44(1):22. IHC ;Human. 39856733
- **[IF=5.722]** Lin Li. et al. ALKBH1 contributes to renal cell carcinoma progression by reducing N6-methyladenine of GPR137. EUR J CLIN INVEST. 2023 Mar;:e13986 IHC,WB ;Human. 36920340
- **[IF=5.5]** Li Lin. et al. GPR137 inactivates Hippo signaling to promote gastric cancer cell malignancy. BIOL DIRECT. 2024 Dec;19(1):1-16 WB ;Human. 38163861