bs-16263R **[Primary Antibody]**

GPCR GPR75 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 10936 **SWISS:** O95800

Target: GPCR GPR75

Immunogen: KLH conjugated synthetic peptide derived from human GPCR GPR75: 151-250/540. < 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: The two G protein-coupled receptors GPR7 and GPR8 display high similarity to each other. They both show high expression in brain and in particular in hypothalamus, and have been characterized as receptors for neuropeptide W (NPW) and neuropeptide B (NPB). In response to NPW and NPB, they play a role in the regulation of feeding behavior. GPR7 deficient mice develop an adult-onset obese phenotype that progressively worsens with age and is exacerbated when fed a high-fat diet. The genes encoding human GPR7 and GPR8 map to chromosomes 10q11.2-q21.1 and 10q13.3, respectively.

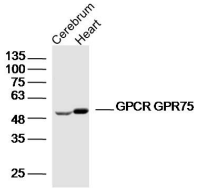
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human)

Predicted MW.: 59 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Cerebrum (Mouse)Lysate at 40 ug Heart (Mouse)Lysate at 40 ug Primary: Anti-GPCR GPR75(bs-16263R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution Predicted band size: 59kD Observed band size: 54kD

SELECTED CITATIONS

- **[IF=4.9]** Hangyu Lv. et al. CYP1A1/20-HETE/GPR75 Axis-Mediated Arachidonic Acid Metabolism Dysregulation in H-Type Hypertension Pathogenesis. INT J MOL SCI. 2025 Jan;26(13):5947 WB ;Human. 40649725