

bs-8612R**[Primary Antibody]**

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GPR70 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Horse) Predicted MW.: 90 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 80835	SWISS: Q7RTX1	
Target: GPR70		
Immunogen: KLH conjugated synthetic peptide derived from human GPR70/T1R1: 441-550/841. < 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 protein encoded by this gene is a G protein-coupled receptor and is a component of the heterodimeric amino acid taste receptor T1R1+3. The T1R1+3 receptor responds to L-amino acids but not to D-enantiomers or other compounds. Most amino acids that are perceived as sweet activate T1R1+3, and this activation is strictly dependent on an intact T1R1+3 heterodimer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]		

— SELECTED CITATIONS —

- **[IF=12.6]** Yuxia Fan. et al. Umami taste evaluation based on a novel mouse taste receptor cell-based biosensor. BIOSENS BIOELECTRON. 2023 Jun;;115447 IHC,WB ;Mouse,Human. 37352759
- **[IF=9.8]** Minbo Li. et al. A novel strategy based on mouse organoid biosensor for detecting umami substances and their synergistic effect. FOOD CHEM. 2025 Jun;;145149 IF ;Mouse. 40561760
- **[IF=4.55]** Liu, Junqiang, et al. "Milk protein synthesis is regulated by T1R1/T1R3, a G protein - coupled taste receptor, through the mTOR pathway in the mouse mammary gland." Molecular Nutrition & Food Research (2017). IHC ;="Mouse". 28497545
- **[IF=2.614]** Cuicui Kanget al. l - Glutamate stimulates cholecystokinin secretion via the T1R1/T1R3 mediated PLC/TRPM5 transduction pathway. J Sci Food Agric . 2020 Oct;100(13):4818-4825. WB ;pig. 32478409