# bs-8612R

# [ Primary Antibody ]

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# **GPR70 Rabbit pAb**

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 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]

Applications: IHC-P (1:100-500)

400-901-9800

**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 90 kDa MW.:

Subcellular Location: Cell membrane

### - 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.
- [IF=2.614] Cuicui Kanget al. I 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