bs-9599R **[Primary Antibody]**

TAS1R2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 80834 **SWISS:** Q8TE23

Target: TAS1R2

Immunogen: KLH conjugated synthetic peptide derived from human GPR71/T1R2: 265-370/839. < 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: Contributes to sweet taste receptor activity. Involved in detection of chemical stimulus involved in sensory perception of sweet taste and positive regulation of cytokinesis. Part of sweet taste receptor complex. [provided by Alliance of Genome Resources, Apr 2022]

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, Cow, Dog)

Predicted MW.: 95 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=6.7]** Yu Shanjun. et al. Extendin-4 blockade of T1R2/T1R3 activation improves Pseudomonas aeruginosa-related pneumonia in an animal model of chemically induced diabetes. INFLAMM RES. 2024 May;:1-17 IF ;Rat,Human. 38748233
- **[IF=4.8]** Shanjun Yu. et al.Exendin-4 blockade of T1R2/T1R3 activation improves Pseudomonas aeruginosa-related pneumonia in an animal model of chemically induced diabetes.Inflammation Research.2024 Jul;73(7):1185-1201. IF ;Human, Rat. 38748233
- **[IF=4.8]** Zhen-Ran Hu. et al. BuZhong YiQi Formula Alleviates Taste Disorders in Rats with Type 2 Diabetes Mellitus by Increasing the Number of Taste Buds and the Expression of Signaling Molecules in Taste Transduction Pathways. PHARMACEUTICALS-BASE. 2025 Jun;18(6):838 IF,WB ;Rat. 40573235
- **[IF=2.614]** Kang C et 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 ;Rat. 32478409