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GPR70 Rabbit pAb

Catalog Number:	bs-8612R
Target Protein:	GPR70
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
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 Locations:	Cell membrane
Entrez Gene:	80835
Swiss Prot:	Q7RTX1
Source:	KLH conjugated synthetic peptide derived from human GPR70/T1R1: 441-550/841.
Purification:	affinity purified by Protein A
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]

PRODUCT SPECIFIC PUBLICATIONS

[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=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