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TAS1R2 Rabbit pAb

Catalog # AP97676

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8TE23
Other Accession	Q8TE23
Predicted	Rat, Human, Mouse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95183
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPR71/T1R2
Epitope Specificity	265-370/839
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 3 family. TAS1R subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	80834
Other Names	GPR71; T1R2; TR2; TS1R2_HUMAN; TAS1R2; G-protein coupled receptor 71; Sweet taste receptor T1R2; taste 1 receptor member 2; G protein-coupled receptor 71; taste receptor, type 1, member 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	TAS1R2
Synonyms	GPR71, T1R2, TR2

Function	Key component of the sweet taste receptor (PubMed: 11917125, PubMed:40339580, PubMed:40754567, PubMed:40555359). TAS1R2 and TAS1R3 form the sweet taste receptor and recognize diverse natural and synthetic sweeteners (PubMed:11917125, PubMed:40339580, PubMed:40754567, PubMed:40555359). The sweet taste receptor has lower affinity for natural sugars than for synthetic sweeteners (PubMed:40339580, PubMed:40555359). Functions as a G protein-coupled receptor and primarily signals through the gustducin heterotrimer (PubMed:40339580).
Cellular Location	Cell membrane; Multi-pass membrane protein

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.