

GPR70 Rabbit pAb

Catalog # AP97675

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q7RTX1
Other Accession	Q7RTX1
Predicted	Rat, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93074
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPR70/T1R1
Epitope Specificity	441-550/841
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.
SUBUNIT	Forms heterodimers with TAS1R3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	80835
Other Names	GM148; GPR70; T1R1; TR1; TS1R1_HUMAN; TAS1R1; G-protein coupled receptor 70; TS1R1_MOUSE; TS1R1_RAT; taste 1 receptor member 1; G protein-coupled receptor 70; taste receptor, type 1, member 1
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	TAS1R1
Synonyms	GPR70, T1R1, TR1
Function	Putative taste receptor. TAS1R1/TAS1R3 responds to the umami taste stimulus (the taste of monosodium glutamate). Sequence differences within and between species can significantly influence the selectivity and specificity of taste responses.
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'.