



Rabbit Anti-GPR70 antibody

SL15373R

Product Name:	GPR70
Chinese Name:	G protein-coupled receptorTAS1R1蛋白抗体
Alias:	G protein coupled receptor 70; G protein-coupled receptor 70; G-protein coupled receptor 70; G-protein coupled receptor 70; gm 148; gm148;GPR 70; GPR70; Krueppel related zinc finger protein 3 (HKR3 protein); seven transmembrane helix receptor; Sweet taste receptor T1r; T1R1; TAS1 R1; TAS1R1; Taste receptor type 1 member 1; taste receptor, type 1, member 1; TR 1; TR1; TS1R1; TS1R1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500(Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	91kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GPCR TAS1R1:431-530/841<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

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.

Subunit:

Forms heterodimers with TAS1R3.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Similarity:

Belongs to the G-protein coupled receptor 3 family. TAS1R subfamily.

SWISS:

Q7RTX1

Gene ID:

80835

Database links:

[Entrez Gene: 80835](#) Human

[Entrez Gene: 110326](#) Mouse

[Entrez Gene: 29407](#) Rat

[Omim: 606225](#) Human

[SwissProt: Q7RTX1](#) Human

[SwissProt: Q99PG6](#) Mouse

[SwissProt: Q9Z0R8](#) Rat

[Unigene: 124574](#) Human

[Unigene: 29232](#) Mouse

[Unigene: 92309](#) Rat

	<p>Important Note:</p>
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