

TAS2R4 (aa157-171) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3807a**Specification**

TAS2R4 (aa157-171) Antibody (internal region) - Product Information

Application	E
Primary Accession	O9NYW5
Other Accession	NP_058640.1 , 50832
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	33841

TAS2R4 (aa157-171) Antibody (internal region) - Additional Information**Gene ID** 50832**Other Names**

Taste receptor type 2 member 4, T2R4, TAS2R4

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TAS2R4 (aa157-171) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

TAS2R4 (aa157-171) Antibody (internal region) - Protein Information**Name** TAS2R4**Function**

Gustducin-coupled receptor for denatonium and N(6)-propyl-2- thiouracil implicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. Signals through PLCB2 and the calcium-regulated cation channel TRPM5. In airway epithelial cells, binding of denatonium increases the intracellular calcium ion concentration and stimulates ciliary beat frequency.

Cellular Location

Membrane; Multi- pass membrane protein. Cell projection, cilium membrane. Note=In airway

epithelial cells, localizes to motile cilia

Tissue Location

Expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells. Expressed on airway ciliated epithelium

TAS2R4 (aa157-171) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TAS2R4 (aa157-171) Antibody (internal region) - Images**TAS2R4 (aa157-171) Antibody (internal region) - Background**

The immunizing peptide represents part of an extracellular domain.

TAS2R4 (aa157-171) Antibody (internal region) - References

Evolution of bitter taste receptors in humans and apes. Fischer A, Gilad Y, Man O, Pääbo S. Mol Biol Evol. 2005 Mar;22(3):432-6. PMID: 15496549