

**TAS2R7 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16822b****Specification**

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**TAS2R7 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9NYW3</a>
Other Accession	<a href="#">NP_076408.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36550
Antigen Region	208-235

**TAS2R7 Antibody (C-term) - Additional Information****Gene ID** 50837**Other Names**

Taste receptor type 2 member 7, T2R7, Taste receptor family B member 4, TRB4, TAS2R7

**Target/Specificity**

This TAS2R7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 208-235 amino acids from the C-terminal region of human TAS2R7.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

TAS2R7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TAS2R7 Antibody (C-term) - Protein Information****Name** TAS2R7**Function** Gustducin-coupled receptor 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.

#### Cellular Location

Membrane; Multi-pass membrane protein.

#### Tissue Location

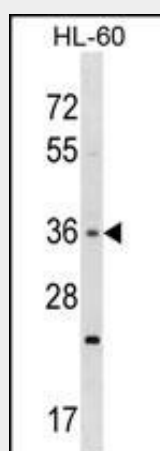
Expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells

### TAS2R7 Antibody (C-term) - 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](#)

### TAS2R7 Antibody (C-term) - Images



TAS2R7 Antibody (C-term) (Cat. #AP16822b) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the TAS2R7 antibody detected the TAS2R7 protein (arrow).

### TAS2R7 Antibody (C-term) - Background

This gene product belongs to the family of candidate taste receptors that are members of the G-protein-coupled receptor superfamily. These proteins are specifically expressed in the taste receptor cells of the tongue and palate epithelia. They are organized in the genome in clusters and are genetically linked to loci that influence bitter perception in mice and humans. In functional expression studies, they respond to bitter tastants. This gene maps to the taste receptor gene cluster on chromosome 12p13.

**TAS2R7 Antibody (C-term) - References**

Go, Y., et al. Genetics 170(1):313-326(2005)  
Fischer, A., et al. Mol. Biol. Evol. 22(3):432-436(2005)  
Zhang, Y., et al. Cell 112(3):293-301(2003)  
Montmayeur, J.P., et al. Curr. Opin. Neurobiol. 12(4):366-371(2002)  
Margolskee, R.F. J. Biol. Chem. 277(1):1-4(2002)