

**TAS2R43 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20329c****Specification**

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**TAS2R43 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P59537</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	35599
Antigen Region	135-163

**TAS2R43 Antibody (Center) - Additional Information****Gene ID** 259289**Other Names**

Taste receptor type 2 member 43, T2R43, Taste receptor type 2 member 52, T2R52, TAS2R43

**Target/Specificity**

This TAS2R43 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 135-163 amino acids from the Central region of human TAS2R43.

**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**

TAS2R43 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**TAS2R43 Antibody (Center) - Protein Information****Name** TAS2R43**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. Activated by the sulfonyl amide sweeteners saccharin and acesulfame K. In airway epithelial cells, binding of bitter compounds increases the intracellular calcium ion concentration and stimulates ciliary beat frequency. May act as chemosensory receptors in airway epithelial cells to detect and eliminate potential noxious agents from the airways (By similarity).

#### **Cellular Location**

Membrane; Multi- pass membrane protein. Cell projection, cilium membrane. Note=In airway epithelial cells, localizes to motile cilia

#### **Tissue Location**

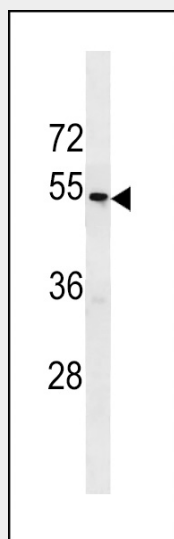
Expressed in subsets of taste receptor cells of the tongue and exclusively in gustducin-positive cells. Expressed in airway epithelia.

### **TAS2R43 Antibody (Center) - 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](#)

### **TAS2R43 Antibody (Center) - Images**



TAS2R43 Antibody (Center) (Cat. #AP20329c) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the TAS2R43 antibody detected the TAS2R43 protein (arrow).

### **TAS2R43 Antibody (Center) - Background**

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. Activated by the sulfonyl amide sweeteners saccharin and acesulfame K. In airway epithelial cells, binding of bitter compounds increases the intracellular calcium ion concentration

and stimulates ciliary beat frequency. May acts as chemosensory receptors in airway epithelial cells to detect and eliminate potential noxious agents from the airways (By similarity).