

# **TAS2R9 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP17341c

# **Specification**

# TAS2R9 Antibody (Center) - Product Information

Application WB,E **Primary Accession** Q9NYW1 Other Accession NP 076406.1 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 35611 Antigen Region 154-180

# TAS2R9 Antibody (Center) - Additional Information

#### **Gene ID** 50835

#### **Other Names**

Taste receptor type 2 member 9, T2R9, Taste receptor family B member 6, TRB6, TAS2R9

#### Target/Specificity

This TAS2R9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 154-180 amino acids from the Central region of human TAS2R9.

#### **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.

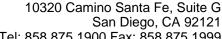
# **Precautions**

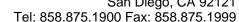
TAS2R9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

# TAS2R9 Antibody (Center) - Protein Information

### Name TAS2R9

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 (By similarity).

#### **Cellular Location**

Membrane; Multi-pass membrane protein.

#### **Tissue Location**

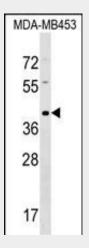
Expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells

#### **TAS2R9 Antibody (Center) - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

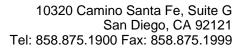
# TAS2R9 Antibody (Center) - Images



TAS2R9 Antibody (Center) (Cat. #AP17341c) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the TAS2R9 antibody detected the TAS2R9 protein (arrow).

# TAS2R9 Antibody (Center) - 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.





# TAS2R9 Antibody (Center) - References

Dotson, C.D., et al. PLoS ONE 3 (12), E3974 (2008):
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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)