

OR9Q1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10896b**Specification**

OR9Q1 Antibody (C-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	O8NGQ5
Other Accession	NP_001005212.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34757
Antigen Region	279-308

OR9Q1 Antibody (C-term) - Additional Information**Gene ID** 219956**Other Names**

Olfactory receptor 9Q1, OR9Q1

Target/Specificity

This OR9Q1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 279-308 amino acids from the C-terminal region of human OR9Q1.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

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

OR9Q1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OR9Q1 Antibody (C-term) - Protein Information**Name** OR9Q1

Function Odorant receptor.

Cellular Location

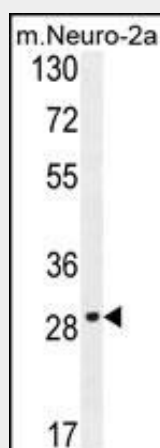
Cell membrane; Multi-pass membrane protein.

OR9Q1 Antibody (C-term) - Protocols

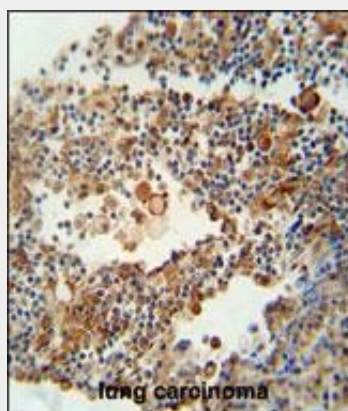
Provided below are standard protocols that you may find useful for product applications.

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

OR9Q1 Antibody (C-term) - Images

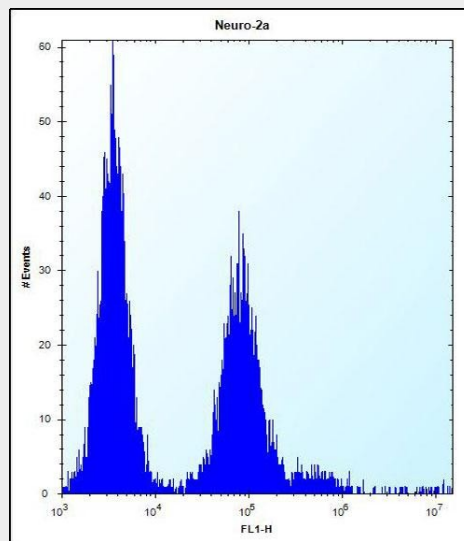


OR9Q1 Antibody (C-term) (Cat. #AP10896b) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the OR9Q1 antibody detected the OR9Q1 protein (arrow).



OR9Q1 antibody (C-term) (Cat. #AP10896b) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the OR9Q1 antibody (C-term) for

immunohistochemistry. Clinical relevance has not been evaluated.



OR9Q1 Antibody (C-term) (Cat. #AP10896b) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

OR9Q1 Antibody (C-term) - Background

Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms.

OR9Q1 Antibody (C-term) - References

Fuchs, T., et al. Genomics 80(3):295-302(2002)