10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# OR4A47 Antibody (C-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP11070b**

## Specification

### OR4A47 Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | Q6IF82 |
| Other Accession | NP_001005512.2 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **34760** |
| Antigen Region | **205-233** |

### OR4A47 Antibody (C-term) - Additional Information

**Gene ID** 403253

**Other Names**
Olfactory receptor 4A47, Olfactory receptor OR11-113, OR4A47

**Target/Specificity**
This OR4A47 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 205-233 amino acids from the C-terminal region of human OR4A47.

**Dilution**
WB~~1:1000

**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**
OR4A47 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### OR4A47 Antibody (C-term) - Protein Information

**Name** OR4A47

**Function** Odorant receptor.

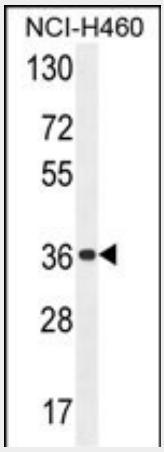
**Cellular Location**
Cell membrane; Multi-pass membrane protein.

## OR4A47 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 Cytomety
- Cell Culture

## OR4A47 Antibody (C-term) - Images




OR4A47 Antibody (C-term) (Cat. #AP11070b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the OR4A47 antibody detected the OR4A47 protein (arrow).

## OR4A47 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.

## OR4A47 Antibody (C-term) - References

Taylor, T.D., et al. Nature 440(7083):497-500(2006)
Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)
Fuchs, T., et al. Genomics 80(3):295-302(2002)