

Datasheet for ABIN953861

**anti-OR4K5 antibody (C-Term)****2** Images[Go to Product page](#)

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 0.4 mL   |
| Target:              | OR4K5  |
| Binding Specificity: | AA 291-321, C-Term   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This OR4K5 antibody is un-conjugated                                   |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA) |

## Product Details

|               |  |
|---------------|--|
| Immunogen:    | KLH conjugated synthetic peptide between 291-321 amino acids from the C-terminal region of human Olfactory receptor 4K5 (C-term) Genename: OR4K5 |
| Isotype:      | Ig Fraction  |
| Specificity:  | This antibody recognizes Human OR4K5 (C-term).   |
| Purification: | Protein A column, followed by peptide affinity purification  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | OR4K5  |
| Alternative Name: | Olfactory Receptor 4K5 ( <a href="#">OR4K5 Products</a> )  |
| Background:       | Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response |

## Target Details

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. Synonyms: OR4K5, Olfactory receptor OR14-16

Molecular Weight: 36258 Da

Gene ID: 79317

NCBI Accession: [NP\\_001005483](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

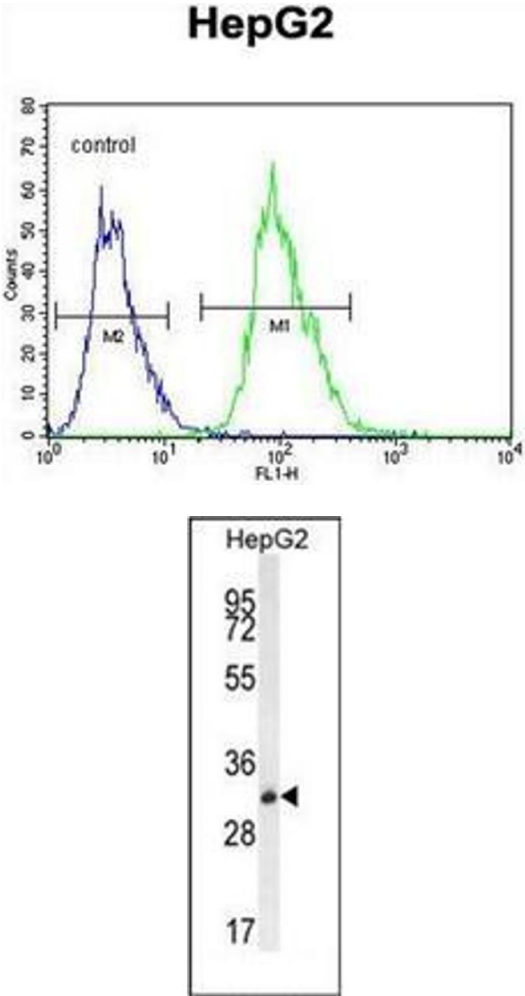
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

**Image 1.** Flow cytometric analysis of HepG2 cells using OR4K5 Antibody (C-term) Cat.-No AP53061PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis

Western Blotting

**Image 2.** Western blot analysis of OR4K5 Antibody (C-term) in HepG2 cell line lysates (35ug/lane). This demonstrates the OR4K5 antibody detected the OR4K5 protein (arrow).