

Datasheet for ABIN655937  
**anti-OR4K5 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	OR4K5
Binding Specificity:	AA 284-313, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OR4K5 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	This OR4K5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 284-313 amino acids from the C-terminal region of human OR4K5.
Clone:	RB29965
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	OR4K5
Alternative Name:	OR4K5 ( <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.

Molecular Weight:	36258
-------------------	-------

Gene ID:	79317
----------	-------

NCBI Accession:	<a href="#">NP_001005483</a>
-----------------	------------------------------

UniProt:	<a href="#">Q8NGD3</a>
----------	------------------------

## Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
--------------------	-------------------------

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Liquid
---------	--------

Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
---------	--

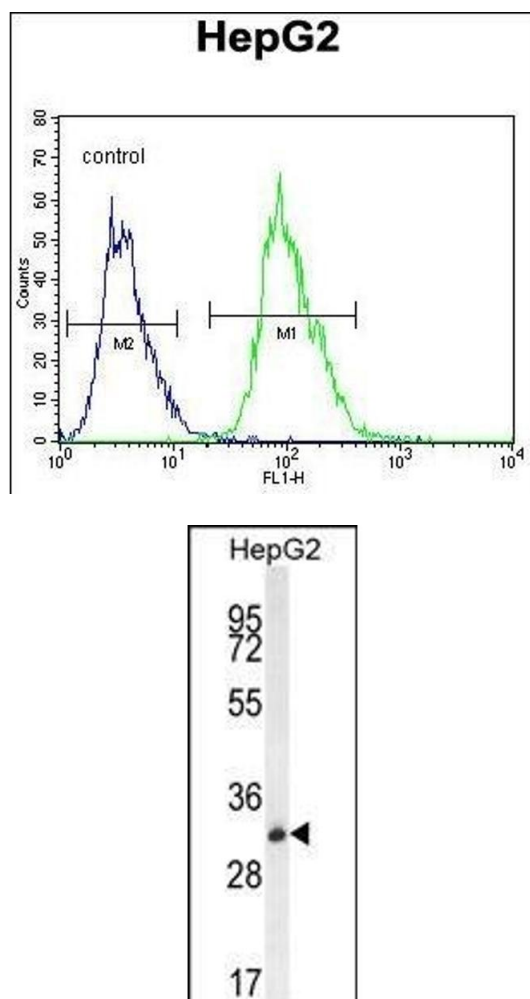
Preservative:	Sodium azide
---------------	--------------

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

Storage:	4 °C,-20 °C
----------	-------------

Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
------------------	--

Expiry Date:	6 months
--------------	----------



### Flow Cytometry

**Image 1.** OR4K5 Antibody (C-term) (ABIN655937 and ABIN2845329) flow cytometric analysis of HepG2 cells (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.** OR4K5 Antibody (C-term) (ABIN655937 and ABIN2845329) western blot analysis in HepG2 cell line lysates (35  $\mu$ g/lane). This demonstrates the OR4K5 antibody detected the OR4K5 protein (arrow).