BT LAB
Bioassay Technology Laboratory
*Optimize Your Research*

# Olfactory receptor 1D4/1D5 Polyclonal Antibody

## Description

| | |
|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-AP06389 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Size** | 20ul, 50ul, 100ul |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human OR1D4/5. AA range:200-249 |
| **Mol wt** | 35227 |
| **Species reactivity** | Human |
| **Clonality** | Polyclonal |
| **Recommended application** | WB, IF, ELISA |
| **Concentration** | 1 mg/ml |
| **Full name** | Olfactory receptor 1D4/1D5 Antibody |
| **Synonyms** | OR1D5; Olfactory receptor 1D5; Olfactory receptor 17-31; OR17-31; OR1D4; Olfactory receptor 1D4; Olfactory receptor 17-30; OR17-30 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## 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.

## Recommended Dilution

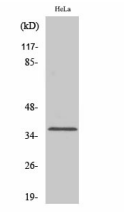
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

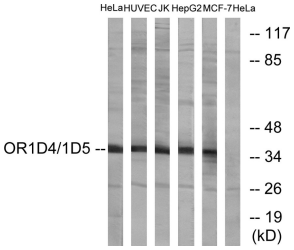
ELISA: 1: 20000

Not yet tested in other applications.

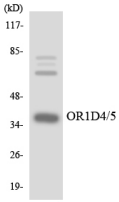
## Images



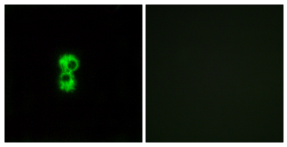

Western Blot analysis of various cells using Olfactory receptor 1D4/1D5 Polyclonal Antibody diluted at 1:2000




Western blot analysis of lysates from HeLa, HUVEC, Jurkat, HepG2, and MCF-7 cells, using OR1D4/5 Antibody. The lane on the right is blocked with the synthesized peptide.




Western blot analysis of the lysates from K562 cells using OR1D4/5 antibody.



Immunofluorescence analysis of MCF7 cells, using OR1D4/5 Antibody. The picture on the right is blocked with the synthesized peptide.

## Storage

-20°C for one year

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