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**Product Name: Olfactory receptor 2A5/14 Rabbit Polyclonal Antibody****Catalog #: APRab15175**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Rabbit polyclonal Antibody  |
| <b>Host</b>          | Rabbit  |
| <b>Application</b>   | WB,ICC/IF,ELISA   |
| <b>Reactivity</b>    | Human,Rat,Mouse   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | IgG   |
| <b>Clonality</b>     | Polyclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                       |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| <b>Purification</b>  | Affinity purification   |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000 |
| <b>Molecular Weight</b> | 35kDa  |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | OR2A5/OR2A14<br>OR2A14; OR2A14P; OR2A6; Olfactory receptor 2A14; OST182; Olfactory receptor 2A6;  |
| <b>Alternative Names</b> | Olfactory receptor OR7-12; OR2A5; OR2A26; OR2A8; Olfactory receptor 2A5; Olfactory receptor 2A26; Olfactory receptor 2A8; Olfactory receptor 7-138/7-141; OR7-1 |
| <b>Gene ID</b>           | 135941/393046   |
| <b>SwissProt ID</b>      | Q96R47/Q96R48   |
| <b>Immunogen</b>         | The antiserum was produced against synthesized peptide derived from human OR2A5/2A14.<br>AA range:241-290   |

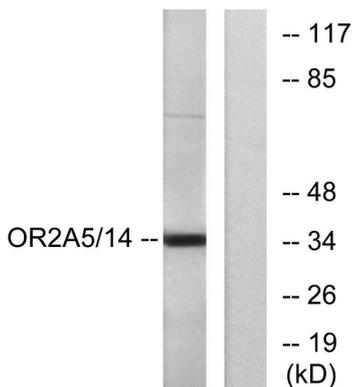
## Background

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. [provided by RefSeq, Jul 2008],function:Odorant receptor „similarity:Belongs to the G-protein coupled receptor 1 family,„

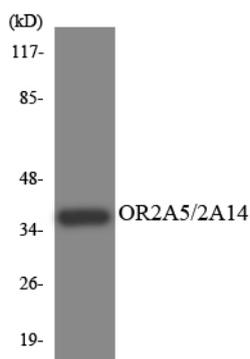
## Research Area

Olfactory transduction;

## Image Data



Western blot analysis of lysates from K562 cells, using OR2A5/2A14 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using OR2A5/2A14 antibody.