



# Olfactory receptor 1D2 Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-13473                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reactivity         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applications       | WB;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Name          | OR1D2                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Protein Name       | Olfactory receptor 1D2                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen          | The antiserum was produced against synthesized peptide derived from human OR1D2. AA range:201-250                                                                                                                                                                                                                                                                                                                                                             |
| Specificity        | Olfactory receptor 1D2 Polyclonal Antibody detects endogenous levels of Olfactory receptor 1D2 protein.                                                                                                                                                                                                                                                                                                                                                       |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                       |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                         |
| Dilution           | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                       |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Synonyms           | OR1D2; OLFR1; Olfactory receptor 1D2; Olfactory receptor 17-4; OR17-4; Olfactory receptor OR17-6; Olfactory receptor-like protein HGMP07E                                                                                                                                                                                                                                                                                                                     |
| Observed Band      | 40kD                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Cell Pathway       | Cell membrane ; Multi-pass membrane protein . In spermatazoa is localized in the midpiece and is translocated to the head region upon receptor stimulation with bourgeonal.                                                                                                                                                                                                                                                                                   |
| Tissue Specificity | Expressed in testis. Expressed in spermatozoa (at protein level). Expressed in olfactory epithelium.                                                                                                                                                                                                                                                                                                                                                          |
| Function           | function:Odorant receptor .,similarity:Belongs to the G-protein coupled receptor 1 family.,                                                                                                                                                                                                                                                                                                                                                                   |
| Background         | olfactory receptor family 1 subfamily D member 2(OR1D2) Homo sapiens 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 |

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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],

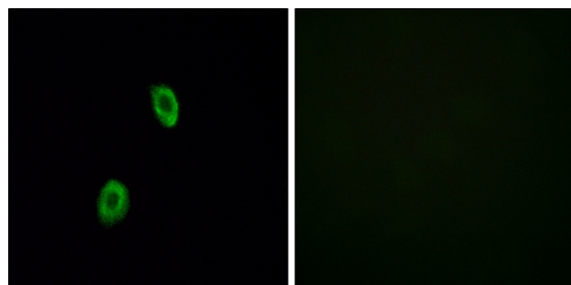
#### matters needing attention

Avoid repeated freezing and thawing!

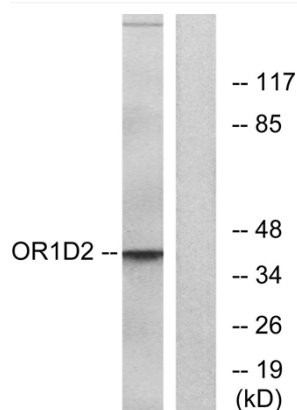
#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

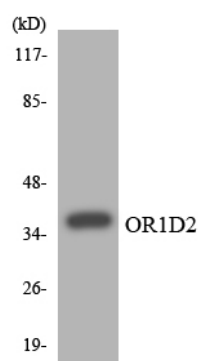
## Products Images



Immunofluorescence analysis of HUVEC cells, using OR1D2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using OR1D2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using OR1D2 antibody.

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