ELK Biotechnology

# Olfactory receptor 5D13 rabbit pAb

## Cat No.:ES6053

**For research use only**

**Overview**

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| **Product Name** | Olfactory receptor 5D13 rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;IF;ELISA |
| **Species Cross-Reactivity** | Human;Monkey |
| **Recommended dilutions** | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human OR5D13. AA range:265-314 |
| **Specificity** | Olfactory receptor 5D13 Polyclonal Antibody detects endogenous levels of Olfactory receptor 5D13 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | Olfactory receptor 5D13 |
| **Gene Name** | OR5D13 |
| **Cellular localization** | Cell membrane; Multi-pass membrane protein. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 35kD |
| **Human Gene ID** | 390142 |
| **Human Swiss-Prot Number** | Q8NGL4 |
| **Alternative Names** | OR5D13; Olfactory receptor 5D13; Olfactory receptor OR11-142; Olfactory receptor OR11-148 |
| **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 |

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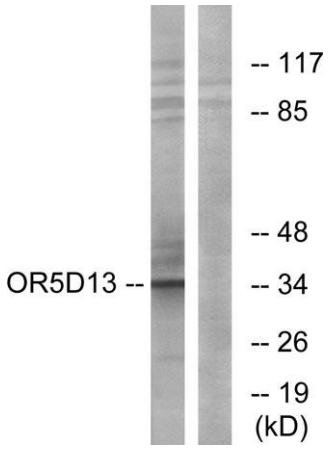
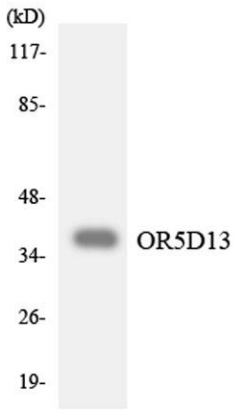
G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor 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. This olfactory receptor gene is a segregating pseudogene, where some individuals have an allele that encodes a functional olfactory receptor, while other individuals have an allele encoding a




Western blot analysis of lysates from COS7 cells, using OR5D13 Antibody. The lane on the right is blocked with the synthesized peptide.




Western blot analysis of the lysates from HT-29 cells using OR5D13 antibody.

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