



# Anti-OLFR2 polyclonal antibody (CABT-BL2717)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |                                                                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>             | A synthetic peptide as a part of mouse Olfactory receptor 2 conjugated to immunogenic carrier protein                                                              |
| <b>Isotype</b>               | IgG                                                                                                                                                                |
| <b>Source/Host</b>           | Rabbit                                                                                                                                                             |
| <b>Species Reactivity</b>    | Mouse                                                                                                                                                              |
| <b>Conjugate</b>             | Unconjugated                                                                                                                                                       |
| <b>Applications</b>          | WB, IHC-P, IHC-Fr                                                                                                                                                  |
| <b>Cellular Localization</b> | Cell membrane; Multi pass membrane protein                                                                                                                         |
| <b>Format</b>                | Liquid                                                                                                                                                             |
| <b>Buffer</b>                | PBS, Whole serum                                                                                                                                                   |
| <b>Preservative</b>          | None                                                                                                                                                               |
| <b>Storage</b>               | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C (add glycerol to a final volume of 40% for extra stability). Avoid repeated freeze / thaw cycles. |

## BACKGROUND

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| <b>Introduction</b> | 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.

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## GENE INFORMATION

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| Entrez Gene ID | <a href="#">18317</a> |
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| Protein Refseq | <a href="#">NP_035113</a> |
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| UniProt ID | <a href="#">Q80WD6</a> |
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