# OPRX Polyclonal Antibody

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| **Catalog No** | YP-Ab-07439 |
| **Isotype** | IgG |
| **Reactivity** | Human;Mouse;Rat |
| **Applications** | WB;ELISA |
| **Gene Name** | OPRL1 OOR ORL1 |
| **Protein Name** | Nociceptin receptor (Kappa-type 3 opioid receptor) (KOR-3) (Orphanin FQ receptor) |
| **Immunogen** | Synthesized peptide derived from part region of human protein |
| **Specificity** | OPRX Polyclonal Antibody detects endogenous levels of protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 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** | WB 1:500-2000 ELISA 1:5000-20000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | |
| **Observed Band** | 40kD |
| **Cell Pathway** | Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle. Ligand binding leads to receptor internalization into cytoplasmic vesicles, decreasing the amount of available receptor at the cell surface. Internalization requires phosphorylation at Ser-363. Can recycle to the cell membrane. |
| **Tissue Specificity** | Detected in blood leukocytes. |
| **Function** | function:Receptor for the neuropeptide nociceptin/orphanin FQ. Has a potential role in modulating a number of brain functions, including instinctive behaviors and emotions. The activity of this receptor is mediated by G proteins which inhibits adenylyl cyclase.,induction:By phytohemagglutinin (PHA).,similarity:Belongs to the G-protein coupled receptor 1 family., |
| **Background** | The protein encoded by this gene is a member of the 7 transmembrane-spanning G protein-coupled receptor family, and functions as a receptor for the endogenous, opioid-related neuropeptide, nociceptin/orphanin FQ. This receptor-ligand system modulates a variety of biological functions and neurobehavior, including stress responses and anxiety behavior, learning and memory, locomotor activity, and inflammatory and immune responses. A promoter region between this gene and the 5'-adjacent RGS19 (regulator of G-protein signaling 19) gene on the opposite strand functions bi-directionally as a |

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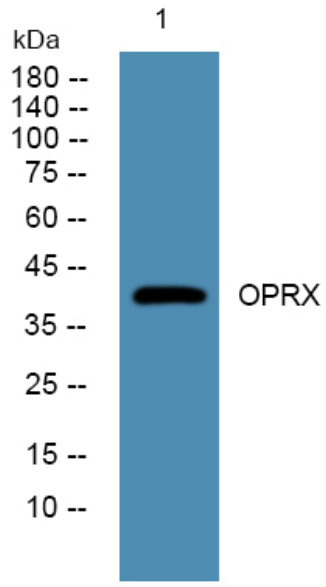
| | core-promoter for both genes, suggesting co-operative transcriptional regulation of these two functionally related genes. Alternatively spliced transcript variants have been described for this gene. A recent study provided evidence for translational readthrough in this gene and expression of an ad |
| **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




Western blot analysis of lysates from Jarkat cells, primary antibody was diluted at 1:1000, 4°over night