



## Anti-OPRL1 (aa 110-212) polyclonal antibody (DPAB-DC2065)

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

### PRODUCT INFORMATION

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| <b>Antigen Description</b> | The protein encoded by this gene is a G protein-coupled receptor whose expression can be induced by phytohemagglutinin. The encoded integral membrane protein is a receptor for the 17 aa neuropeptide nociceptin/orphanin FQ. This gene may be involved in the regulation of numerous brain activities, particularly instinctive and emotional behaviors. A promoter for this gene also functions as a promoter for another gene, regulator of G-protein signalling 19 (RGS19), located on the opposite strand. Three transcript variants encoding the same protein have been found for this gene. |
| <b>Immunogen</b>           | OPRL1 (AAH38433, 110 a.a. ~ 212 a.a) partial recombinant protein with GST tag. The sequence is<br>DILLGFWPFGNALCKTVIADYYNMFTSTFTLTAMSVDRYVAICHPIRALDVRTSSKAQA<br>VNVAIWALASVVGVPVAIMGSAQVEDEEIECLVEIPTPQDYWG  |
| <b>Source/Host</b>         | Mouse   |
| <b>Species Reactivity</b>  | Human   |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | WB (Recombinant protein), ELISA,  |
| <b>Size</b>                | 50 µl   |
| <b>Buffer</b>              | 50 % glycerol   |
| <b>Preservative</b>        | None  |
| <b>Storage</b>             | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.  |

### GENE INFORMATION

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| <b>Gene Name</b>           | <a href="#">OPRL1 opiate receptor-like 1 [ Homo sapiens (human) ]</a>  |
| <b>Official Symbol</b>     | OPRL1  |
| <b>Synonyms</b>            | OPRL1; opiate receptor-like 1; OOR; ORL1; KOR-3; NOCIR; nociceptin receptor; orphanin FQ receptor; kappa-type 3 opioid receptor; kappa3-related opioid receptor; |
| <b>Entrez Gene ID</b>      | <a href="#">4987</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_000904</a>  |
| <b>UniProt ID</b>          | <a href="#">P41146</a>   |
| <b>Chromosome Location</b> | 20q13.33   |
| <b>Pathway</b>             | Class A/1 (Rhodopsin-like receptors); GPCR downstream signaling; GPCRs, Class A Rhodopsin-like; Neuroactive ligand-receptor interaction                          |
| <b>Function</b>            | G-protein coupled receptor activity; nociceptin receptor activity; protein binding;  |

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