

Datasheet for ABIN2690253

anti-OPRD1 antibody (pSer363) (AbBy Fluor® 647)[Go to Product page](#)

Overview

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| Quantity: | 100 µL |
| Target: | OPRD1 |
| Binding Specificity: | pSer363 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This OPRD1 antibody is conjugated to AbBy Fluor® 647 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human OPRD1 around the phosphorylation site of TP(p-S)DG |
| Isotype: | IgG |
| Specificity: | This phosphorylation site is homologous in the listed cross reactive species at the specified location. |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Cow,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | OPRD1 |
| Alternative Name: | OPRD1 (OPRD1 Products) |
| Background: | <p>Synonyms: OPRD, Delta-type opioid receptor, D-OR-1, DOR-1, OPRD1</p> <p>Background: G-protein coupled receptor that functions as receptor for endogenous enkephalins and for a subset of other opioids. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling leads to the inhibition of adenylate cyclase activity. Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Plays a role in the perception of pain and in opiate-mediated analgesia. Plays a role in developing analgesic tolerance to morphine.</p> |
| Gene ID: | 4985 |
| UniProt: | P41143 |
| Pathways: | Protein targeting to Nucleus |

Application Details

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| Application Notes: | FCM 1:20-100 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |

Handling

Expiry Date: 12 months