

Datasheet for ABIN7043401  
**anti-OPRD1 antibody (Extracellular, N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	50 µL
Target:	OPRD1
Binding Specificity:	AA 2-18, Extracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPRD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)ELVPSARAELQSSPLVN corresponding to amino acid residues 2-18 of mouse delta-Opioid receptor
Isotype:	IgG
Cross-Reactivity (Details):	Will not recognize human samples.
Characteristics:	Anti-δ-Opioid Receptor (OPRD1) (extracellular) Antibody (ABIN7043401, ABIN7044891 and ABIN7044892)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot, immunocytochemistry, and immunohistochemistry applications. The antibody recognizes an extracellular epitope and can potentially detect the receptor in living cells. The antibody is designed to recognize DOR-1 from mouse and rat

## Product Details

samples. It will not recognize DOR-1 from human samples.

Purification: Affinity purified on immobilized antigen.

## Target Details

Target: OPRD1

Alternative Name: delta-Opioid Receptor (OPRD1) ([OPRD1 Products](#))

Background: Alternative names: delta-Opioid Receptor (OPRD1), DOR-1

Gene ID: 18386

NCBI Accession: [NM\\_000911](#)

UniProt: [P32300](#)

Pathways: [Protein targeting to Nucleus](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 0.8 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

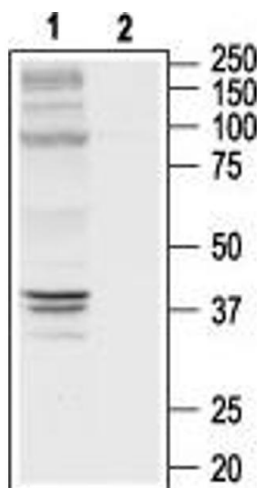
Storage: RT, 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.

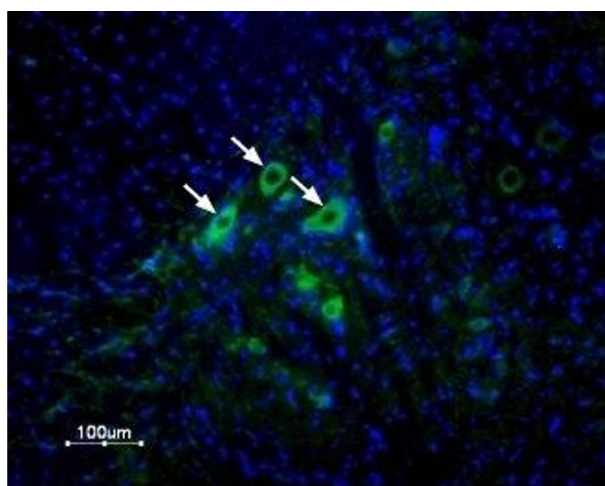
For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

## Images



### Western Blotting

**Image 1.** Western blot analysis of a rat cortex lysate: - 1. Anti- $\delta$ -Opioid Receptor (OPRD1) (extracellular) Antibody (ABIN7043401, ABIN7044891 and ABIN7044892), (1:200). 2. Anti- $\delta$ -Opioid Receptor (OPRD1) (extracellular) Antibody, preincubated with  $\delta$ -Opioid Receptor/OPRD1 (extracellular) Blocking Peptide (#BLP-OR014).



### Immunohistochemistry

**Image 2.** Expression of  $\delta$  opioid receptor (DOR-1) in rat spinal cord - Immunohistochemical staining of rat spinal cord frozen section using Anti- $\delta$ -Opioid Receptor (OPRD1) (extracellular) Antibody (ABIN7043401, ABIN7044891 and ABIN7044892), (1:100), followed by goat-anti-rabbit AlexaFluor-488 secondary antibody (green). Staining is present in neuronal cell bodies (white arrows). Hoechst 33342 is used as the counterstain (blue).