

OPRD1 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2871a

Specification

OPRD1 Antibody (C-Term) - Product Information

Application	E
Primary Accession	P41143
Other Accession	NP_000902.3 , 4985
Predicted	Human, Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	40369

OPRD1 Antibody (C-Term) - Additional Information

Gene ID 4985

Other Names

Delta-type opioid receptor, D-OR-1, DOR-1, OPRD1, OPRD

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

OPRD1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

OPRD1 Antibody (C-Term) - Protein Information

Name OPRD1

Synonyms OPRD

Function

G-protein coupled receptor that functions as a 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.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in oocytes (at protein level). Detected in brain cortex, hypothalamus, hippocampus and olfactory bulb. Detected in oocytes.

OPRD1 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

OPRD1 Antibody (C-Term) - Images**OPRD1 Antibody (C-Term) - References**

Mice deficient for delta- and mu-opioid receptors exhibit opposing alterations of emotional responses Filliol D, Ghozland S, Chluba J, Martin M, Matthes HW, Simonin F, Befort K, Gavériaux-Ruff C, Dierich A, LeMeur M, Valverde O, Maldonado R, Kieffer BL Nat Genet. 2000 Jun;25(2):195-200 PMID: 10835636