

OPRD1 / Delta Opioid Receptor Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10070**Specification**

OPRD1 / Delta Opioid Receptor Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	P41143
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40kDa KDa

OPRD1 / Delta Opioid Receptor Antibody (C-Terminus) - Additional Information**Gene ID** 4985**Other Names**

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

Target/Specificity

Human Delta Opioid Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ZC3H11A (44%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

OPRD1 / Delta Opioid Receptor Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

OPRD1 / Delta Opioid Receptor Antibody (C-Terminus) - 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.

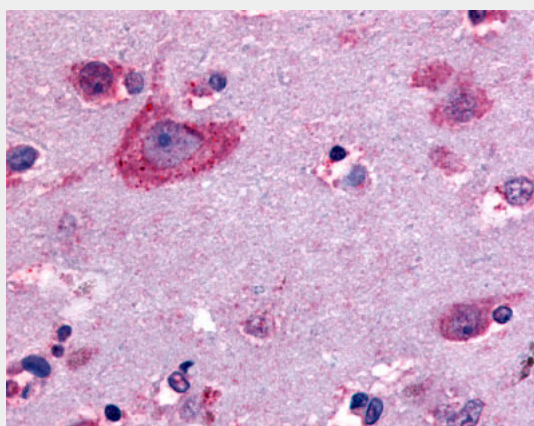
Volume

50 µl

OPRD1 / Delta Opioid Receptor Antibody (C-Terminus) - 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 / Delta Opioid Receptor Antibody (C-Terminus) - Images

Anti-Delta Opioid Receptor antibody ALS10070 IHC of human brain, neurons and glia.

OPRD1 / Delta Opioid Receptor Antibody (C-Terminus) - 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.

OPRD1 / Delta Opioid Receptor Antibody (C-Terminus) - References

Knapp R.J., et al. Life Sci. 54:PL463-PL469(1994).
Knapp R.J., et al. Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Simonin F., et al. Mol. Pharmacol. 46:1015-1021(1994).
Kaighin V.A., et al. Submitted (JUL-2008) to the EMBL/GenBank/DDBJ databases.

Gregory S.G.,et al.Nature 441:315-321(2006).