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OPRD1 / Delta Opioid Receptor Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS10071

Specification

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

Application	**IHC**
Primary Accession	P41143
Reactivity	**Human**
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.

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.

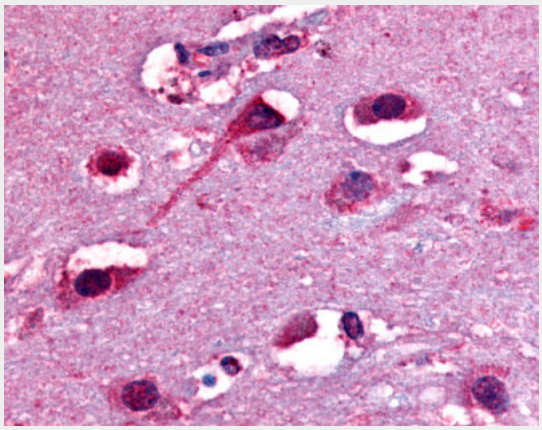
Volume
50 µl

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 Cytomety
- Cell Culture

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



Anti-Delta Opioid Receptor antibody ALS10071 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

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Simonin F.,et al.Mol. Pharmacol. 46:1015-1021(1994).
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