

Delta Opioid Receptor Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51407**Specification**

Delta Opioid Receptor Antibody - Product Information

Application	WB, E
Primary Accession	P41143
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50 KDa

Delta Opioid Receptor Antibody - Additional Information**Gene ID** 4985**Other Names**

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

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Delta Opioid Receptor Antibody - 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.

Delta Opioid Receptor Antibody - 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](#)

Delta Opioid Receptor Antibody - Images**Delta Opioid Receptor Antibody - Background**

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Delta Opioid Receptor Antibody - 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).