10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OPRD1 Antibody

Rabbit mAb
Catalog # AP90796

Product Information

Application	WB, FC
Primary Accession	P41143
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Delta type opioid receptor; Delta type opioid receptor DOR1; DOR 1; mDOR; Nbor; Opioid receptor delta 1; OPRD 1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	40369

Additional Information

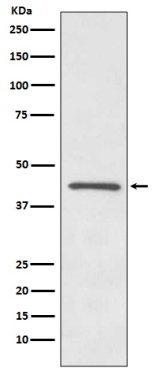
Dilution	WB 1:1000~1:2000 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human OPRD1
Description	The opioid receptors are G-protein coupled, seven-transmembrane domain receptors for enkephalins, endorphins, and dynorphins. Signaling leads to the inhibition of 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of OPRD1 expression in SH-SY5Y cell lysate.

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