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Anti-Delta Opioid Receptor Antibody

Catalog # AP51407

Product Information

Application	WB
Primary Accession	P41143
Reactivity	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40369

Additional Information

Gene ID	4985
Other Names	OPRD; Delta-type opioid receptor; D-OR-1; DOR-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Delta Opioid Receptor. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

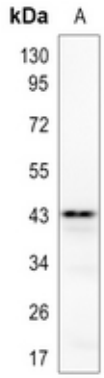
Name	OPRD1
Synonyms	OPRD
Function	G protein-coupled receptor that functions as a receptor for endogenous enkephalins and for a subset of other opioids. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of 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.

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).

Images



Western blot analysis of Delta Opioid Receptor expression in SHSY5Y (A) whole cell lysates. (Predicted band size: 40 kD; Observed band size: 43 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.