

OPRK1 / Kappa Opioid Receptor Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10072**Specification**

OPRK1 / Kappa Opioid Receptor Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	P41145
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43kDa KDa

OPRK1 / Kappa Opioid Receptor Antibody (C-Terminus) - Additional Information**Gene ID** 4986**Other Names**

Kappa-type opioid receptor, K-OR-1, KOR-1, OPRK1, OPRK

Target/Specificity

Human Kappa 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

OPRK1 / Kappa Opioid Receptor Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

OPRK1 / Kappa Opioid Receptor Antibody (C-Terminus) - Protein Information**Name** OPRK1**Synonyms** OPRK**Function**

G-protein coupled opioid receptor that functions as a receptor for endogenous alpha-neoendorphins and dynorphins, but has low affinity for beta-endorphins. Also functions as a receptor for various synthetic opioids and for the psychoactive diterpene salvinorin A. 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. Plays a role in mediating reduced physical activity upon treatment with synthetic opioids. Plays a role in the regulation of salivation in response to synthetic opioids. May play a role in arousal and regulation of autonomic and neuroendocrine functions.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in brain and placenta.

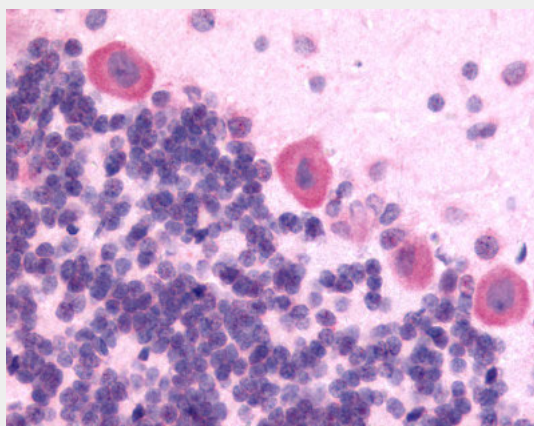
Volume

50 μ l

OPRK1 / Kappa 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](#)

OPRK1 / Kappa Opioid Receptor Antibody (C-Terminus) - Images

Anti-Kappa Opioid Receptor antibody ALS10072 IHC of rat brain, Purkinje neurons.

OPRK1 / Kappa Opioid Receptor Antibody (C-Terminus) - Background

G-protein coupled opioid receptor that functions as receptor for endogenous alpha-neoendorphins and dynorphins, but has low affinity for beta-endorphins. Also functions as receptor for various synthetic opioids and for the psychoactive diterpene salvinorin A. 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. Plays a role in mediating reduced physical activity upon treatment with synthetic opioids. Plays a role in the regulation of salivation in response to synthetic opioids. May play a role in arousal and regulation of autonomic and neuroendocrine functions.

OPRK1 / Kappa Opioid Receptor Antibody (C-Terminus) - References

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