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kappa Opioid Receptor Rabbit mAb

Catalog # AP75645

Specification

kappa Opioid Receptor Rabbit mAb - Product Information

Application	**WB, IP**
Primary Accession	P33534
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**42652**

kappa Opioid Receptor Rabbit mAb - Additional Information

Gene ID 18387

Other Names
Oprk1

Dilution
WB~~1/500-1/1000
IP~~N/A

Format
Liquid

kappa Opioid Receptor Rabbit mAb - Protein Information

Name Oprk1

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 (at protein level). Brain (neocortex, hippocampus, amygdala, medial habenula, hypothalamus, locus ceruleus, and parabrachial nucleus).

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kappa Opioid Receptor Rabbit mAb - 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

kappa Opioid Receptor Rabbit mAb - Images