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Anti-OPRK1 / Kappa Opioid Receptor Antibody (Extracellular Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17546

Specification

Anti-OPRK1 / Kappa Opioid Receptor Antibody (Extracellular Domain) - Product Information

Application	**IHC-P**
Primary Accession	P41145
Predicted	**Human, Rat, Rabbit, Monkey, Horse, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42645**
Dilution	**IHC-P~~N/A**

Anti-OPRK1 / Kappa Opioid Receptor Antibody (Extracellular Domain) - Additional Information

Gene ID 4986

Alias Symbol **OPRK1**

Other Names
OPRK1, Kappa-type opioid receptor, Opiate receptor, kappa-1, K-OR-1, KOR, Opioid receptor, kappa 1, OPRK, Ork1, Kappa opioid receptor, KOR-1, Opioid receptor kappa

Target/Specificity
Human Kappa Opioid Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-OPRK1 / Kappa Opioid Receptor Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-OPRK1 / Kappa Opioid Receptor Antibody (Extracellular Domain) - 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.

Anti-OPRK1 / Kappa Opioid Receptor Antibody (Extracellular Domain) - 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

Anti-OPRK1 / Kappa Opioid Receptor Antibody (Extracellular Domain) - Images