

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 Cytometry](#)
- [Cell Culture](#)

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