10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17546

Product Information

Application	IHC-P
Primary Accession	P41145
Predicted	Human, Rat, Rabbit, Monkey, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42645
Concentration (mg/ml)	1 mg/ml

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.

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.