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

Anti-Kappa Opioid Receptor (pS369) Antibody

Rabbit polyclonal antibody to Kappa Opioid Receptor (pS369)
Catalog # AP60496

Product Information

Application	WB
Primary Accession	P41145
Other Accession	P33534
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42645

Additional Information

Gene ID	4986
Other Names	OPRK1; OPRK; Kappa-type opioid receptor; K-OR-1; KOR-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Kappa Opioid Receptor (pS369). The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

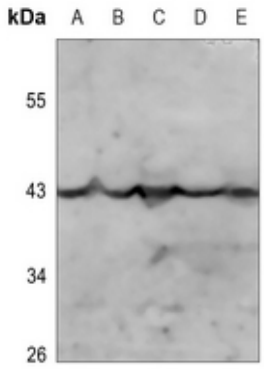
Name	OPRK1
Synonyms	OPRK
Function	G-protein coupled opioid receptor that functions as a receptor for endogenous alpha-neoendorphins and dynorphins, but has low affinity for beta-endorphins. Also functions as a receptor for various synthetic opioids and for the psychoactive diterpene salvinorin A. Ligand 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.

Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Kappa Opioid Receptor (pS369). The exact sequence is proprietary.

Images



Western blot analysis of Kappa Opioid Receptor (pS369) expression in PC12 (A), mouse kidney (B), mouse muscle (C), rat kidney (D), rat muscle (E) whole cell lysates.