

**Anti-Kappa Opioid Receptor (pS369) Antibody**  
Rabbit polyclonal antibody to Kappa Opioid Receptor (pS369)  
Catalog # AP60496

### Specification

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#### Anti-Kappa Opioid Receptor (pS369) Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P41145</a>
Other Accession	<a href="#">P33534</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42645

#### Anti-Kappa Opioid Receptor (pS369) Antibody - Additional Information

**Gene ID** 4986

#### Other Names

OPRK1; OPRK; Kappa-type opioid receptor; K-OR-1; KOR-1

#### Target/Specificity

Recognizes endogenous levels of Kappa Opioid Receptor (pS369) protein.

#### 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

#### Anti-Kappa Opioid Receptor (pS369) Antibody - 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

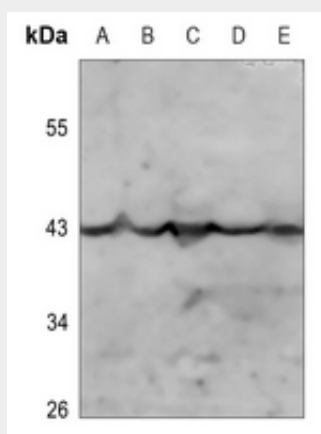
**Tissue Location**

Detected in brain and placenta.

**Anti-Kappa Opioid Receptor (pS369) Antibody - 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-Kappa Opioid Receptor (pS369) Antibody - 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.

**Anti-Kappa Opioid Receptor (pS369) Antibody - Background**

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