

Datasheet for ABIN7139900  
**anti-OPRK1 antibody (AA 31-50) (Biotin)**



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## Overview

|                      |                                             |
|----------------------|---------------------------------------------|
| Quantity:            | 100 µL                                      |
| Target:              | OPRK1                                       |
| Binding Specificity: | AA 31-50                                    |
| Reactivity:          | Human                                       |
| Host:                | Rabbit                                      |
| Clonality:           | Polyclonal                                  |
| Conjugate:           | This OPRK1 antibody is conjugated to Biotin |
| Application:         | ELISA                                       |

## Product Details

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Immunogen:        | Peptide sequence from Human Kappa-type opioid receptor protein (31-50AA) |
| Isotype:          | IgG                                                                      |
| Cross-Reactivity: | Human                                                                    |
| Purification:     | Antigen Affinity Purified                                                |

## Target Details

|                   |                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | OPRK1                                                                                                                                                                                |
| Alternative Name: | OPRK1 ( <a href="#">OPRK1 Products</a> )                                                                                                                                             |
| Background:       | Background: G-protein coupled opioid receptor that functions as receptor for endogenous alpha-neoendorphins and dynorphins, but has low affinity for beta-endorphins. Also functions |

## Target Details

as 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. Aliases: K-OR-1 antibody, Kappa opioid receptor antibody, Kappa type opioid receptor antibody, Kappa-type opioid receptor antibody, KOR 1 antibody, KOR antibody, KOR-1 antibody, Opiate receptor kappa 1 antibody, Opiate receptor, kappa 1 antibody, Opioid receptor, kappa 1 antibody, OPRK 1 antibody, OPRK antibody, OPRK\_HUMAN antibody, OPRK1 antibody, Oprk2 antibody, R21 antibody

UniProt: [P41145](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.