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## Datasheet for ABIN737573 **anti-OPRK1 antibody (Biotin)**

### Overview

Quantity:	100 µL
Target:	OPRK1
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPRK1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human kappa Opioid receptor
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	OPRK1
Alternative Name:	kappa Opioid Receptor ( <a href="#">OPRK1 Products</a> )
Background:	<p>Synonyms: Kappa type opioid receptor, KOR 1, KOR, Opiate receptor kappa 1, OPRK 1, OPRK, OPRK1, Oprk2, R21, OPRK_HUMAN.</p> <p>Background: Opioid is the term used to designate a group of compounds that are opium-like in their properties. These drugs have effects on perception of pain, consciousness, motor control,</p>

## Target Details

mood, and autonomic function, and can induce physical dependence. Pharmacological studies suggested that there are at least 3 major classes of opioid receptors, designated delta, kappa, and mu. They differ in their affinity for various opioid ligands and in their cellular distribution. Studies of the receptors in the mouse and rat show that they are structurally related and are members of the family of 7 transmembrane-spanning G protein-coupled receptors. The kappa opioid receptor inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. It is the receptor for beta-endorphin.

Gene ID: 4986

## Application Details

Application Notes: WB: 1:100-1000, IHC-P: 1:100-500  
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months