

Datasheet for ABIN737571

anti-OPRK1 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	OPRK1
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPRK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (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 (OPRK1 Products)
Background:	Synonyms: Kappa type opioid receptor, KOR 1, KOR, Opiate receptor kappa 1, OPRK 1, OPRK, OPRK1, Oprk2, R21, OPRK_HUMAN. Background: Opioid is the term used to designate a group of compounds that are opium-like in

Target Details

their properties. These drugs have effects on perception of pain, consciousness, motor control, 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, IF(IHC-P): 1:50-200
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 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

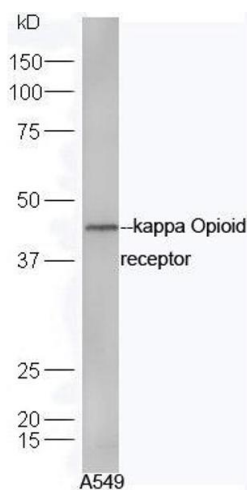
Preservative: Sodium azide

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



Western Blotting

Image 1. A549 cell lysates probed with Anti-kappa Opioid receptor Polyclonal Antibody, Unconjugated (ABIN737571) at 1:300 in 4°C. Followed by conjugation to secondary antibody at 1:5000 90min in 37°C.