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# anti-OPRL1 antibody (AA 323-370)





## Overview

Quantity:	100 μg
Target:	OPRL1
Binding Specificity:	AA 323-370
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPRL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

# **Product Details**

Immunogen:	Recombinant Human Nociceptin receptor protein (323-370AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

# Target Details

Target:	OPRL1
Alternative Name:	OPRL1 (OPRL1 Products)
Background:	Background: G-protein coupled opioid receptor that functions as receptor for the endogenous neuropeptide nociceptin. Ligand binding causes a conformation change that triggers signaling

via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling via G proteins mediates inhibition of adenylate cyclase activity and calcium channel activity. Arrestins modulate signaling via G proteins and mediate the activation of alternative signaling pathways that lead to the activation of MAP kinases. Plays a role in modulating nociception and the perception of pain. Plays a role in the regulation of locomotor activity by the neuropeptide nociceptin.

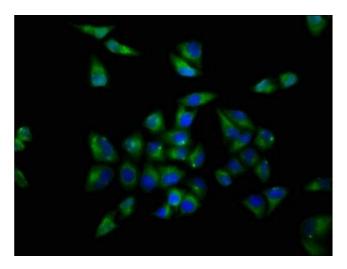
Aliases: H.sapiens mRNA for ORL1 receptor antibody, Kappa type 3 opioid receptor antibody, Kappa-type 3 opioid receptor antibody, kappa3-related opioid receptor antibody, KOR 3 antibody, KOR-3 antibody, KOR3 antibody, LC132 receptor like antibody, LC132 receptor, rat, homolog of antibody, MGC34578 antibody, Nociceptin receptor antibody, Nociceptin/orphanin FQ (N/OFQ) peptide receptor antibody, NOCIR antibody, NOP antibody, OOR antibody, Opiate receptor like 1 antibody, Opiod receptor like 1 antibody, Oprl1 antibody, OPRX\_HUMAN antibody, ORL1 antibody, Orphanin FQ receptor antibody

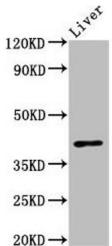
UniProt:

P41146

# **Application Details**

Application Notes:	Recommended dilution: WB:1:500-1:5000, IF:1:200-1:500,
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.





### **Immunofluorescence**

**Image 1.** Immunofluorescence staining of Hela cells with ABIN7161665 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

### **Western Blotting**

**Image 2.** Western Blot Positive WB detected in: Mouse liver tissue All lanes: OPRL1 antibody at 3  $\mu$ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 41 kDa Observed band size: 41 kDa