

## ARG40156 anti-OPRL1 / Nociceptin Receptor antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes OPRL1 / Nociceptin Receptor
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	OPRL1 / Nociceptin Receptor
Species	Human
Immunogen	Synthetic peptide around the C-terminal region of Human OPRL1. (within the following region: ALGYVNSCLNPILYAFLDENFKACFRKFCCASALRRDVQVSDRVRSIAKD)
Conjugation	Un-conjugated
Alternate Names	Nociceptin receptor; ORL1; Orphanin FQ receptor; NOCIR; Kappa-type 3 opioid receptor; OOR; KOR-3

### Application Instructions

Application table	Application	Dilution
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

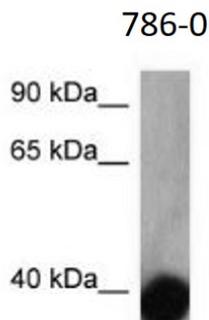
## Bioinformation

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Gene Symbol	OPRL1
Gene Full Name	opiate receptor-like 1
Background	The protein encoded by this gene is a G protein-coupled receptor whose expression can be induced by phytohemagglutinin. The encoded integral membrane protein is a receptor for the 17 aa neuropeptide nociceptin/orphanin FQ. This gene may be involved in the regulation of numerous brain activities, particularly instinctive and emotional behaviors. A promoter for this gene also functions as a promoter for another gene, regulator of G-protein signalling 19 (RGS19), located on the opposite strand. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jan 2011]
Function	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. [UniProt]
Calculated Mw	41 kDa
PTM	Phosphorylation at Ser-363 requires GRK3. [UniProt]
Cellular Localization	Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle. Note=Ligand binding leads to receptor internalization into cytoplasmic vesicles, decreasing the amount of available receptor at the cell surface. Internalization requires phosphorylation at Ser-363. Can recycle to the cell membrane. [UniProt]

## Images

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ARG40156 anti-OPRL1 / Nociceptin Receptor antibody WB image

Western blot: Human 786-0 whole cell lysate stained with ARG40156 anti-OPRL1 / Nociceptin Receptor antibody at 1 µg/ml dilution.