

OPRL1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI14423

Product Information

Application	WB
Primary Accession	P79292
Other Accession	NM_182647 , NP_872588
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine, Sheep
Predicted Host	Human, Mouse, Rat, Zebrafish, Chicken, Dog, Guinea Pig, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 40610

Additional Information

Gene ID	397364
Alias Symbol	KOR-3, MGC34578, NOCIR, OOR, ORL1
Other Names	Nociceptin receptor, K3 opiate receptor, Kappa-type 3 opioid receptor, KOR-3, ORGC, Orphanin FQ receptor, OPRL1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-OPRL1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	OPRL1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OPRL1
Function	G protein-coupled opioid receptor that functions as a 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 (By similarity).

Cellular Location

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 (By similarity).

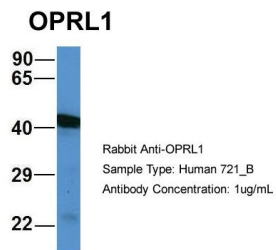
Tissue Location

Detected in brain cortex, stomach, ileum, jejunum and colon.

References

Osinski M.A.,et al.Eur. J. Pharmacol. 365:281-289(1999).

Images



Host: Rabbit
Target Name: WT1
Sample Tissue: 721_B
Antibody Dilution: 1.0µg/ml
OPRL1 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.