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OPRL1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14423

Specification

OPRL1 antibody - middle region - Product Information

Application	**WB**
Primary Accession	P79292
Other Accession	NM_182647, NP_872588
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Goat, Sheep, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Chicken, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**41kDa KDa**

OPRL1 antibody - middle region - 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.

OPRL1 antibody - middle region - 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).

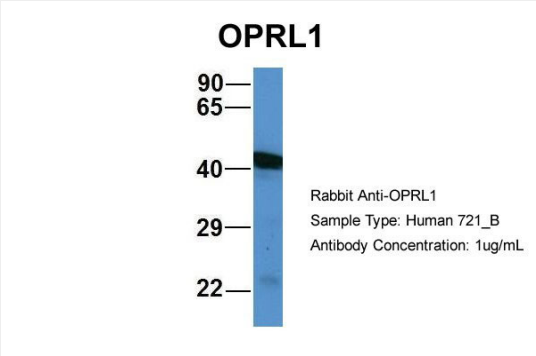
Tissue Location
Detected in brain cortex, stomach, ileum, jejunum and colon.

OPRL1 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

OPRL1 antibody - middle region - Images



Host: Rabbit
Target Name: WT1
Sample Tissue: 721_B
Antibody Dilution: 1.0µg/mlOPRL1 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

OPRL1 antibody - middle region - References

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