

## Rabbit Anti-Nociceptin receptor antibody

SL0181R

**Product Name** Nociceptin receptor

**Chinese Name** 孤啡肽受体/痛敏肽受体抗体

**Alias** H.sapiens mRNA for ORL1 receptor; Kappa type 3 opioid receptor; Kappa-type 3 opioid receptor; KOR 3; KOR-3; KOR3; LC132 receptor like; MGC34578; Nociceptin receptor; NOCIR; OOR; Opiate receptor like 1; Opiod receptor like 1; Opr11; OPRX\_HUMAN; ORL1; Orphanin FQ receptor.

**Research Area** Cell biology Neurobiology Signal transduction Apoptosis The cell membrane 受体

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human, Mouse, Rat, (predicted: Dog, Pig, Cow, Horse, Guinea Pig, )  
WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 40kDa

**Cellular localization** The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human Nociceptin receptor: 1-47/370 <Extracellular>

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

**PubMed**

[PubMed](#)

Nociceptin receptor Receptor for the neuropeptide nociceptin/orphanin FQ. Has a potential role in modulating a number of brain functions, including instinctive behaviors and emotions. The activity of this receptor is mediated by G proteins which inhibits adenylyl cyclase[subcellular location] integral membrane protein. Belongs to the G-protein coupled receptor 1 family.

**Function:**

Receptor for the neuropeptide nociceptin/orphanin FQ. Has a potential role in modulating a number of brain functions, including instinctive behaviors and emotions. The activity of this receptor is mediated by G proteins which inhibits adenylyl cyclase.

**Subcellular Location:**

Cell membrane; Multi-pass membrane protein.

**Tissue Specificity:**

In the brain, isoform KOR3 and isoform KOR3C are most abundant in hypothalamus and periaqueductal gray. Isoform KOR3A is highly expressed in cortex, striatum and brainstem. Isoform KOR3D is highly expressed in cerebellum, hypothalamus and brainstem.

**Product Detail**

**Similarity:**

Belongs to the G-protein coupled receptor 1 family.

**SWISS:**

P35377

**Gene ID:**

4987

**Database links:**

[Entrez Gene: 4987](#) Human

[Entrez Gene: 18389](#) Mouse

[Entrez Gene: 29256](#) Rat

[Omim: 602548](#) Human

[SwissProt: P41146](#) Human

[SwissProt: P35377](#) Mouse

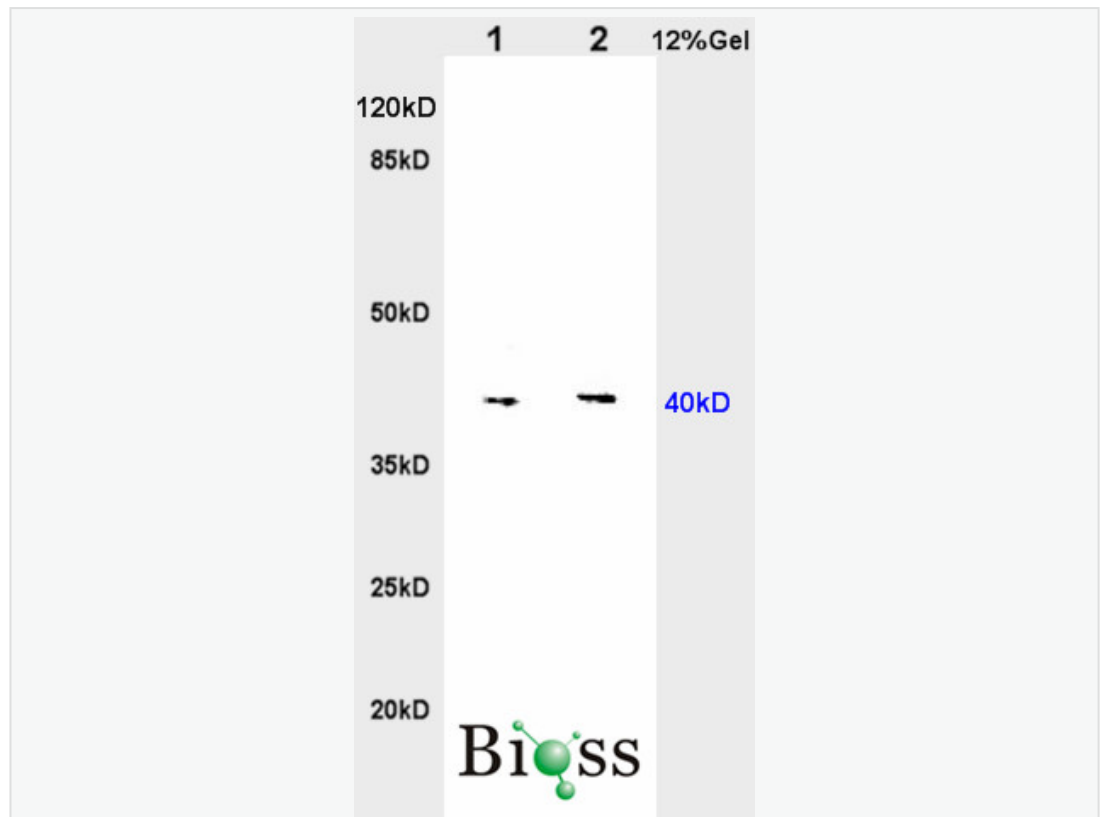
[SwissProt: P35370](#) Rat

[Unigene: 2859](#) Human

[Unigene: 285075](#) Mouse

[Unigene: 9762](#) Rat

**Product  
Picture**



Sample:

Heart(Rat) lysate at 30ug;

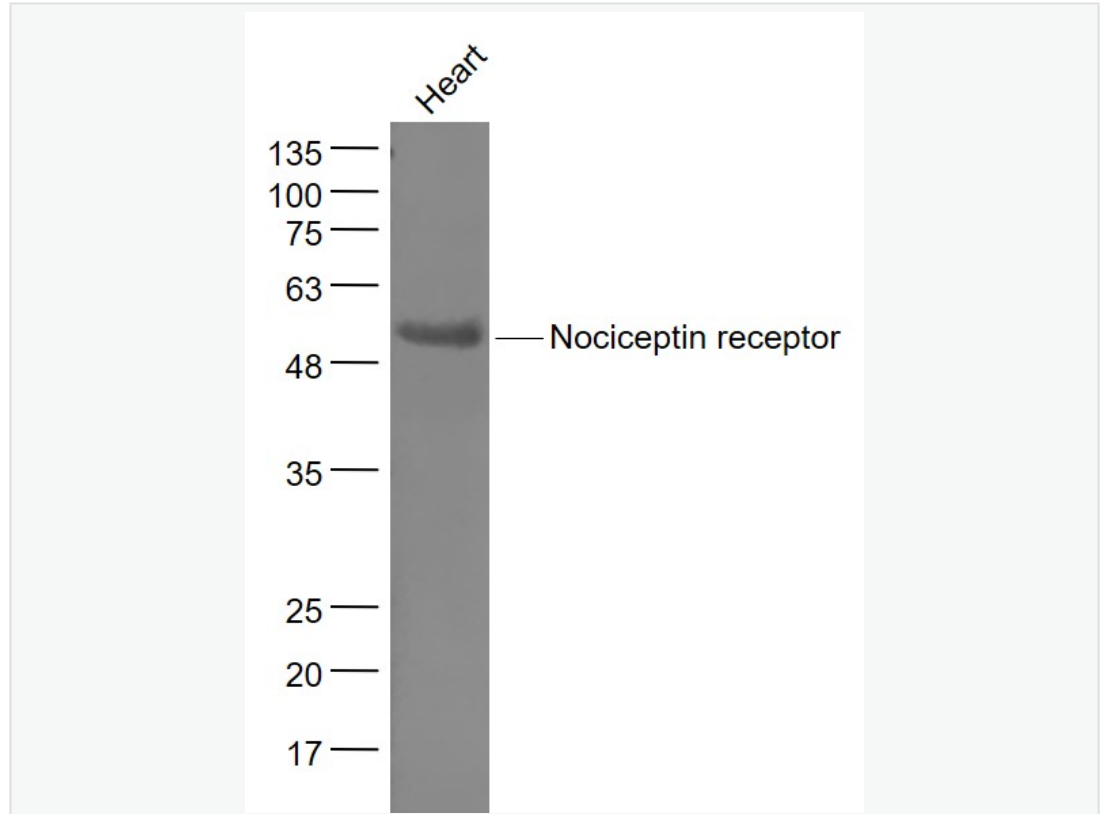
Brain(Rat) lysate at 30ug;

Primary: Anti-Nociceptin receptor (SL0181R) at 1:200 dilution;

Secondary: HRP conjugated Goat-Anti-Rabbit IgG(SL0295G-HRP) at 1: 3000 dilution;

Predicted band size : 40kD

Observed band size : 40kD



Sample:

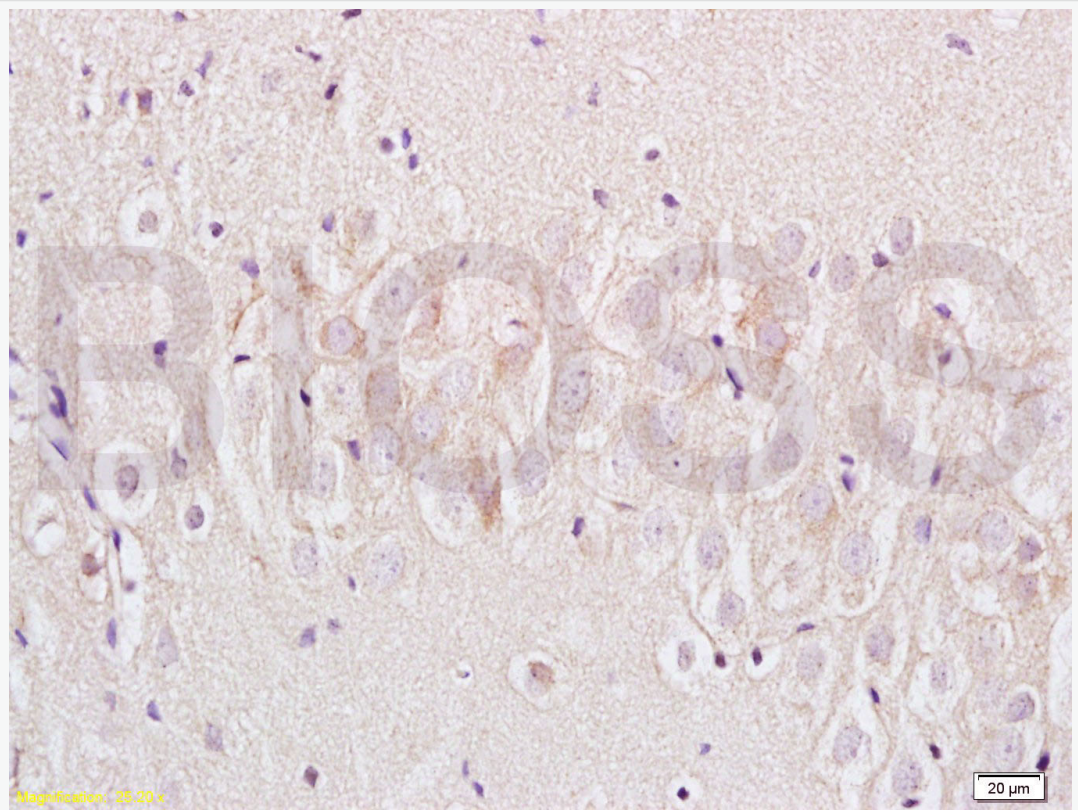
Heart (Mouse) Lysate at 40 ug

Primary: Anti- Nociceptin receptor (SL0181R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kD

Observed band size: 52 kD



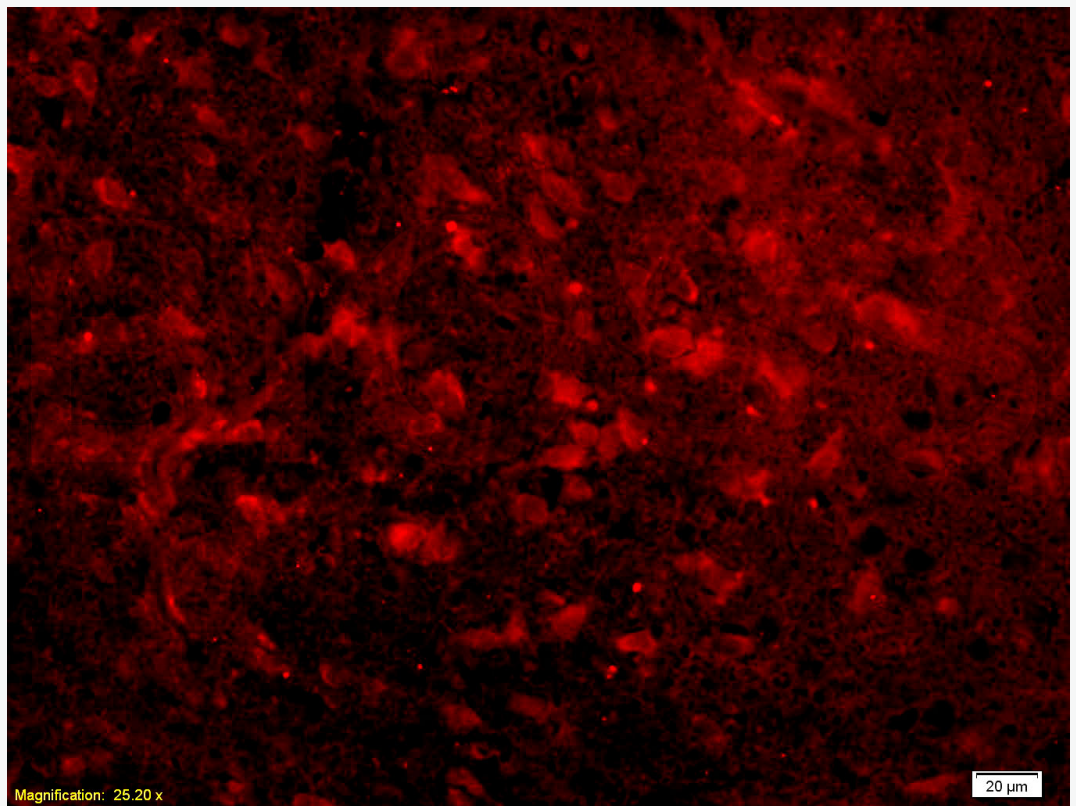
免疫组化 (IHC) Immunohistochemistry Tissue/cell: rat brain tissue; 4%

Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 1M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Nociceptin receptor Polyclonal Antibody,

Unconjugated(SL0181R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



免疫荧光 Immunofluorescence 组织切片: Tissue/cell: human placenta tissue;4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 1M, pH 6.0 ), Boiling bathing for 15min;  
Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-Nociceptin receptor Polyclonal Antibody,  
Unconjugated(SL0181R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3conjugated (SL0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C.