

Rabbit Anti-Nociceptin antibody

SL0075R

Product Name	Nociceptin
Chinese Name	孤菲肽/痛敏肽抗体
Alias	PNOC; N/OFQ; N23K; N23K/N27K; Nociceptin, included; Npnc1; OFQ; OFQ/N; Orphanin FQ; PPNOC; prepronociceptin; Propronociceptin; PNOC_HUMAN.
Research Area	Tumour Cardiovascular Neurobiology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat, (predicted: Human, Mouse, Dog, Pig, Cow, Horse, Rabbit,) 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	20kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Nociceptin: 130-146/176
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
Product	Nociceptin (PNOC) is the ligand of the opioid receptor-like receptor (OPRL1). It may

Detail

act as a transmitter in the brain by modulating nociceptive and locomotor behavior. May be involved in neuronal differentiation and development. Expressed predominantly in the spinal cord and brain, being more abundant in the hypothalamus and striatum. Also found in small amounts in ovary. Belongs to the opioid neuropeptide precursor family.

Function:

Nociceptin is the ligand of the opioid receptor-like receptor (OPRL1). It may act as a transmitter in the brain by modulating nociceptive and locomotor behavior. May be involved in neuronal differentiation and development (By similarity).

Subcellular Location:

Secreted.

Tissue Specificity:

Predominantly in the brain and spinal cord.

Similarity:

Belongs to the opioid neuropeptide precursor family.

SWISS:

Q13519

Gene ID:

5368

Database links:

[Entrez Gene: 5368](#) Human

[Entrez Gene: 18155](#) Mouse

[Entrez Gene: 25516](#) Rat

[Omim: 601459](#) Human

[SwissProt: Q13519](#) Human

[SwissProt: Q64387](#) Mouse

[SwissProt: Q62923](#) Rat

[Unigene: 88218](#) Human

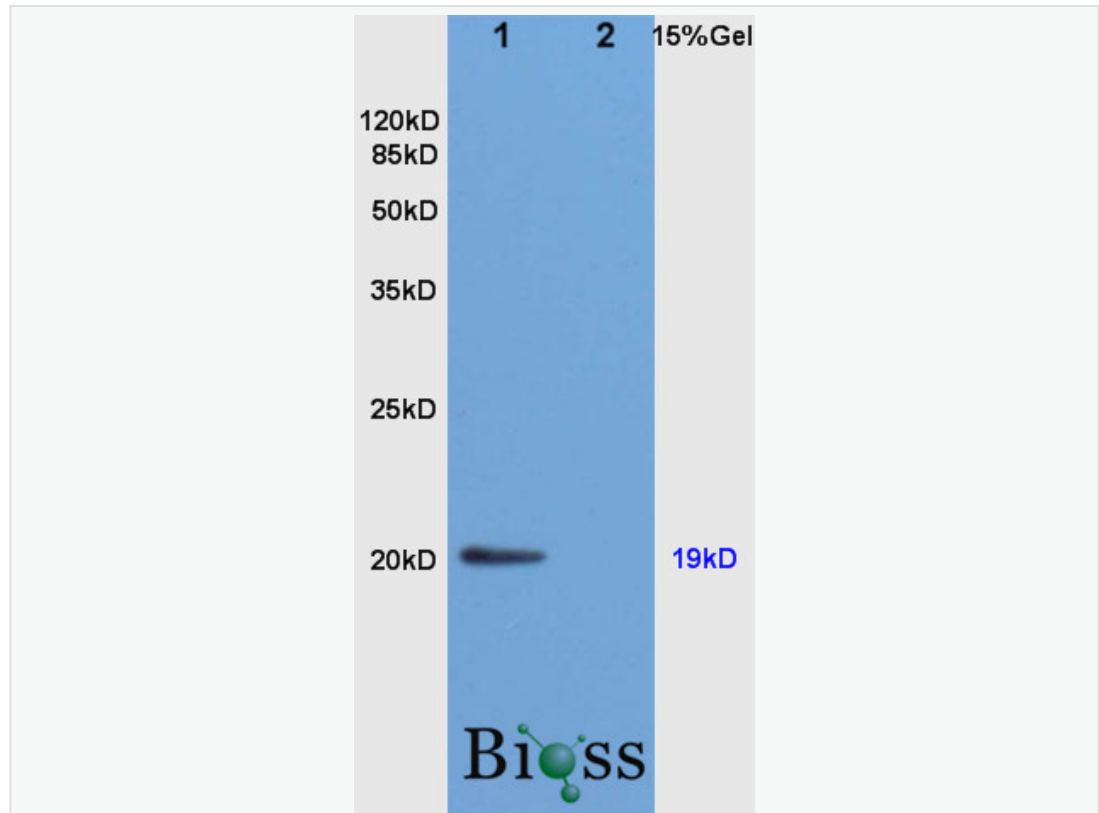
[Unigene: 16347](#) Mouse

[Unigene: 486163](#) Mouse

[Unigene: 87935](#) Rat

孤啡肽 (Nociceptin 又称为 Orphanin FQ; PPNOC; ORL1) 是新发现的一种神经肽, 由 17 个氨基酸组成, 又称痛敏肽。消化道 Tumour 病人的血浆中 OFQ 含量明显高于对照组, 尤以结肠癌、胃癌最为明显。

**Product
Picture**



Sample:

Brain(Rat) lysate at 30ug;

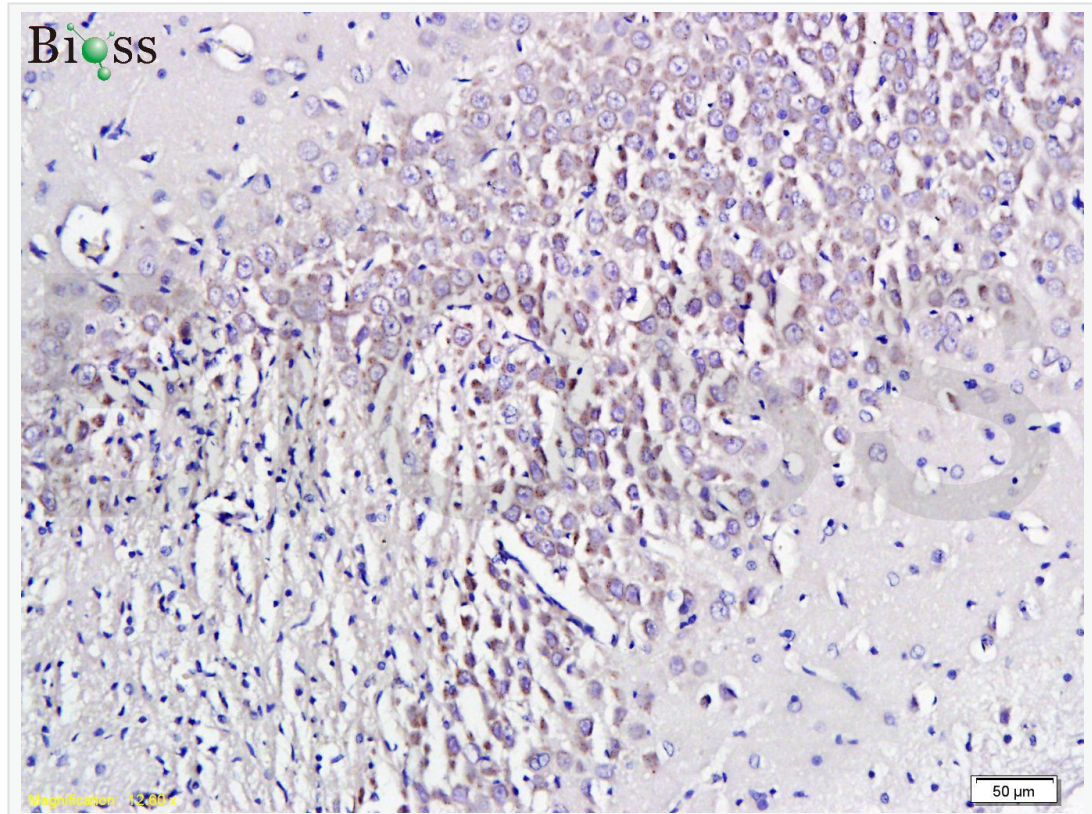
Liver(Rat) lysate at 30ug;

Primary: Anti-Nociceptin(SL0075R) at 1:200 dilution;

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

Predicted band size : 20kD

Observed band size : 20kD



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 Polyclonal Antibody, Unconjugated(SL0075R)
1:300, overnight at 4°C, followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining