

bs-0181R**[Primary Antibody]****Nociceptin receptor Rabbit pAb****Bioss**
ANTIBODIES

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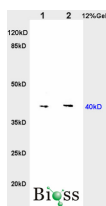
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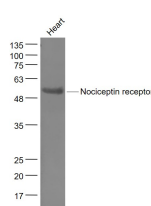
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DATASHEET

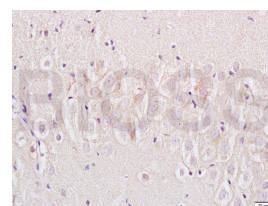
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Dog, GuineaPig, Horse) Predicted MW.: 40 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 4987	SWISS: P41146	
Target: Nociceptin receptor		
Immunogen: KLH conjugated synthetic peptide derived from human Nociceptin receptor: 1-47/370. < Extracellular >		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: 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.		

VALIDATION IMAGES

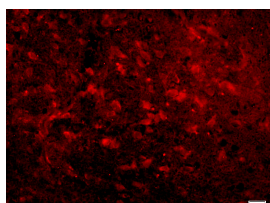
Sample: Heart(Rat) lysate at 30ug; Brain(Rat) lysate at 30ug; Primary: Anti-Nociceptin receptor (bs-0181R) at 1:200 dilution; Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 40kD
Observed band size : 40kD



Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti- Nociceptin receptor (bs-0181R) 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 (0.01M, 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(bs-0181R) 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 (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at

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37°C for 20 min; Incubation: Anti-Nociceptin receptor Polyclonal Antibody, Unconjugated(bs-0181R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3conjugated (bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C.

— SELECTED CITATIONS —

- **[IF=5.6]** Omar N. Al Yacoub. et al. Traumatic Brain Injury Induces Nociceptin/Orphanin FQ and Nociceptin Opioid Peptide Receptor Expression within 24 Hours. INT J MOL SCI. 2024 Jan;25(3):1658 WB ;Rat. 10.3390/ijms25031658
- **[IF=3.5]** Omar N. Al Yacoub. et al. Recovery from Traumatic Brain Injury Is Nociceptin/Orphanin FQ Peptide Receptor Genotype-, Sex-, and Injury Severity-Dependent. J PHARMACOL EXP THER. 2024 May;389(2):136-149 WB ;Rat. 37442620
- **[IF=2.227]** Xingrao Ke. et al. Adverse Maternal Environment Alters Oprl1 Variant Expression in Mouse Hippocampus. ANAT REC. 2022 Aug;; IHC ;Mouse. 35983908