bs-0200R **[Primary Antibody]**

PACAP-38 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 116 **SWISS:** P18509

Target: PACAP-38

Immunogen: KLH conjugated synthetic peptide derived from human PACAP-38: 31-38/38 (162-139/176).

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: This gene encodes a secreted proprotein that is further processed into multiple mature peptides. These peptides stimulate adenylate cyclase and increase cyclic adenosine monophosphate (cAMP) levels, resulting in the transcriptional activation of target genes. The products of this gene are key mediators of neuroendocrine stress responses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2013]

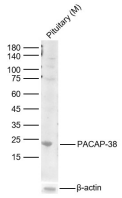
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow)

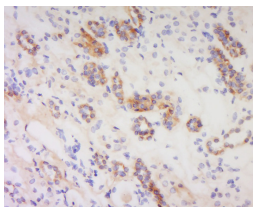
Predicted MW.: 5 kDa

Subcellular Location: Secreted ,Extracellular matrix

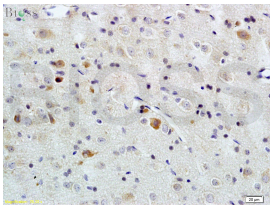
VALIDATION IMAGES



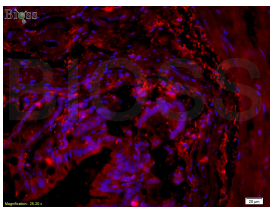
Sample: Lane 1: Mouse Pituitary Lysates Primary: Anti-PACAP-38 (bs-0200R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 5kDa Observed band size: 19kDa



Tissue/cell: human kidney 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-PACPA Polyclonal Antibody, Unconjugated(bs-0200R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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-PACAP-38 Polyclonal Antibody, Unconjugated(bs-0200R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse small intestine 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 37°C for 20 min; Incubation: Anti-PACAP-38 Polyclonal Antibody, Unconjugated(bs-0200R)

1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei

SELECTED CITATIONS

- **[IF=9.58]** Ernest Y. Lee. et al. PACAP is a pathogen-inducible resident antimicrobial neuropeptide affording rapid and contextual molecular host defense of the brain. P Natl Acad Sci Usa. 2021 Jan;118(1): IHC ;Mouse. 33372152
- **[IF=8.039]** Yifan Zhu. et al. Discovery of Selective P2Y6R Antagonists with High Affinity and In Vivo Efficacy for Inflammatory Disease Therapy. J MED CHEM. 2023;XXXX(XXX):XXX-XXX WB ;Mouse. 37078976
- **[IF=0.7]** Ming XU. et al. Underlying mechnism of electroacupuncture for treating detrusor hyperreflexia after suprasacral spinal cord injury through the PACAP-cAMP signaling pathway: 基于PACAP-cAMP. WORLD J ACUPUNCT-MOX. 2023 Jun;: IHC,WB ;Rat. 10.1016/j.wjam.2023.06.002
- **[IF=0]** PENG Y et al. Effect of electroacupuncture on urodynamics, PACAP-38 and PAC1R of spinal cord in rats with neurogenic bladder ☆. World Journal of Acupuncture - Moxibustion,2018 28(1), 50–54. WB ;Rat. 10.1016/j.wjam.2018.03.014