bs-0190R **[Primary Antibody]**

PACAP-27/38 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 116 **SWISS:** P18509

Target: PACAP-27/38

Immunogen: KLH conjugated synthetic peptide derived from human PACAP-27/38: 132-169/176.

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]

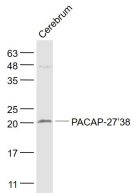
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

Predicted MW.: 19 kDa

Subcellular Location: Secreted ,Extracellular matrix

VALIDATION IMAGES



Sample: Cerebrum (Rat) Lysate at 40 ug Primary: Anti- PACAP-27/38 (bs-0190R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 19 kD Observed band size: 20 kD

SELECTED CITATIONS

- **[IF=8.739]** Hailou Zhang. et al. Synergistic effects of two natural compounds of iridoids on rapid antidepressant action by up-regulating hippocampal PACAP signaling. 2022 Mar 31 WB,IF ;Mouse. 35362097
- **[IF=4.755]** Han Xuke. et al. Effects of electroacupuncture on bladder dysfunction and the expression of PACAP38 in a diabetic rat model. FRONT PHYSIOL. 2022 Dec;13:2751 WB ;Rat. 36699677
- **[IF=5.3]** Alice Meng. et al. mGluR5 in astrocytes in the ventromedial hypothalamus regulates PACAP neurons and glucose homeostasis. J NEUROSCI. 2023 Jul;: IF ;Mouse. 37507231
- **[IF=3.5]** Genevieve R. Curtis. et al.Pituitary adenylate cyclase-activating polypeptide (PACAP)[+] cells in the paraventricular nucleus of the thalamus: relationship with binge-type eating in male and female mice.psychopharmacology.2025 Feb;242(2):413-426. IHC ;Mouse. 39340653
- **[IF=3.5]** Curtis Genevieve R.. et al. Pituitary adenylate cyclase-activating polypeptide (PACAP)+ cells in the paraventricular nucleus of the thalamus: relationship with binge-type eating in male and female mice. PSYCHOPHARMACOLOGY. 2024 Sep;:1-14 IF ;Mouse. 39340653