

**bs-0198R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

www.bioss.com.cn

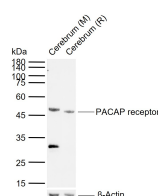
sales@bioss.com.cn

techsupport@bioss.com.cn

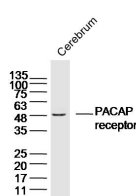
400-901-9800

**PACAP receptor Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 117 <b>Target:</b> PACAP receptor <b>Immunogen:</b> KLH conjugated synthetic peptide derived from the middle of human PACAP R1: 71-170/468. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> Pituitary adenylate cyclase-activating polypeptide (PACAP) is a neuropeptide belonging to the vasoactive intestinal polypeptide/glucagon/ secretin family. It is widely distributed in the body, and a variety of biological actions have been reported. Recent studies have shown that there is a family of PACAP receptors (PACAPRs), and two members of this family have been identified. This is a receptor for PACAP-27 and PACAP-38. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. May regulate the release of adrenocorticotropin, luteinizing hormone, growth hormone, prolactin, epinephrine, and catecholamine. May play a role in spermatogenesis and sperm motility. Causes smooth muscle relaxation and secretion in the gastrointestinal tract (By similarity). Belongs to the G-protein coupled receptor 2 family.	<b>Isotype:</b> IgG <b>SWISS:</b> P41586 <b>Applications:</b> <b>WB</b> (1:500-2000) <b>ELISA</b> (1:5000-10000) <b>Reactivity:</b> Mouse, Rat (predicted: Human) <b>Predicted MW.:</b> 51 kDa <b>Subcellular Location:</b> Cell membrane
---	--

**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Cerebrum tissue lysates  
 Lane 2: Rat Cerebrum tissue lysates  
 Primary: Anti-PACAP receptor (bs-0198R) at 1/1000  
 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 51 kDa Observed band size: 47 kDa



Sample: Cerebrum (Mouse) Lysate at 40 ug  
 Primary: Anti-PACAP receptor (bs-0198R) at 1/300  
 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 51kD Observed band size: 48kD

**— SELECTED CITATIONS —**

- **[IF=3.188]** Zeqi Tang, et al. Seasonal changes in the expression of PACAP, VPAC1, VPAC2, PAC1 and testicular activity in the testis of the muskrat (*Ondatra zibethicus*). EUR J HISTOCHEM. 2022 Mar 24; 66(2): 3398 IHC ;Rat. 35502591
- **[IF=0.7]** Ming XU, et al. Underlying mechanism 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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

