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

PACAP receptor Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 117 **SWISS:** P41586

Target: PACAP receptor

Immunogen: KLH conjugated synthetic peptide derived from the middle of human PACAP R1: 71-170/468.

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: 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.

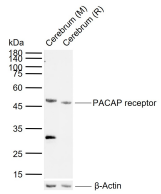
Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

Reactivity: Mouse, Rat
(predicted: Human)

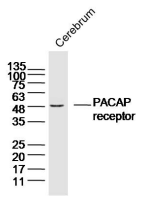
Predicted MW.: 51 kDa

Subcellular Location: 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 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