

Rabbit Anti-PACAP-38 antibody

SL0200R

Product Name PACAP-38

Chinese Name 腺苷酸环化酶激活肽-38 抗体

Alias

HSPC190; Proapoptotic Caspase Adaptor Protein; PACAP; pERp1; Plasma cell-induced ER protein 1; Plasma cell-induced resident endoplasmic reticulum protein; Plasma cell-induced resident ER protein; Proapoptotic caspase adapter protein; pituitary adenylate cyclase activating polypeptide; PRP-48; PACAP-related peptide; Pituitary adenylate cyclase-activating polypeptide 38; Pituitary adenylate cyclase-activating polypeptide 38; PACAP38; PACA_HUMAN.

Research Area

Cell biology Neurobiology Kinases and Phosphatases

Immunogen Species

Rabbit

Clonality

Polyclonal

React Species

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

Applications

WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight

5kDa

Cellular localization

Secretory protein

Form

Liquid

Concentration

1mg/ml

immunogen

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

Lsotype

IgG

Purification

affinity purified by Protein A

Buffer Solution

1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage

Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

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

PubMed

[PubMed](#)

Pituitary adenylate cyclase Activating polypeptide-27/38, PACAP-27/38 is a neuropeptide that has substantial sequence homology to vasoactive intestinal peptide (VIP).Both VIPand PACAP-38are equipotent at the VCAP-2 receptor, while PAC AP -38 is equipotent to PACAP-27 and more potent than VIP at the PAC-1receptor. The function of PACAP is Stimulates adenylate cyclase in pituitary cells. It belongs to the glucagon family.

Function:

Binding to its receptor activates G proteins and stimulates adenylate cyclase in pituitary cells.

Subunit:

Interacts with ADCYAP1R1 (via N-terminal extracellular domain).

Subcellular Location:

Secreted.

Similarity:

Belongs to the glucagon family.

**Product
Detail**

SWISS:
P18509

Gene ID:
116

Database links:

[Entrez Gene: 116](#) Human

[Entrez Gene: 11516](#) Mouse

[Entrez Gene: 414283](#) Pig

[Entrez Gene: 24166](#) Rat

[Omim: 102980](#) Human

[SwissProt: P18509](#) Human

[SwissProt: O70176](#) Mouse

[SwissProt: P41535](#) Pig

[SwissProt: P13589](#) Rat

[Unigene: 531719](#) Human

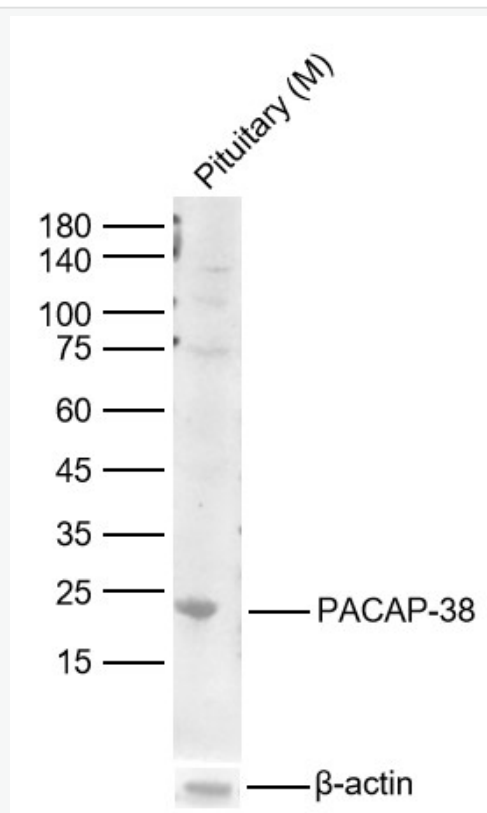
[Unigene: 727476](#) Human

[Unigene: 3407](#) Mouse

[Unigene: 37400](#) Rat

腺苷酸环化酶激活肽是一种可激活垂体腺苷酸环化酶的多肽，有 PACAP-27 和 PACAP-38 两种形式，他们共同具有 N 端 27 个氨基酸，属于 PACAP/glucagon 超级家族。在中枢神经系统分布广泛，其中以下丘脑含量最高。

**Product
Picture**



Sample:

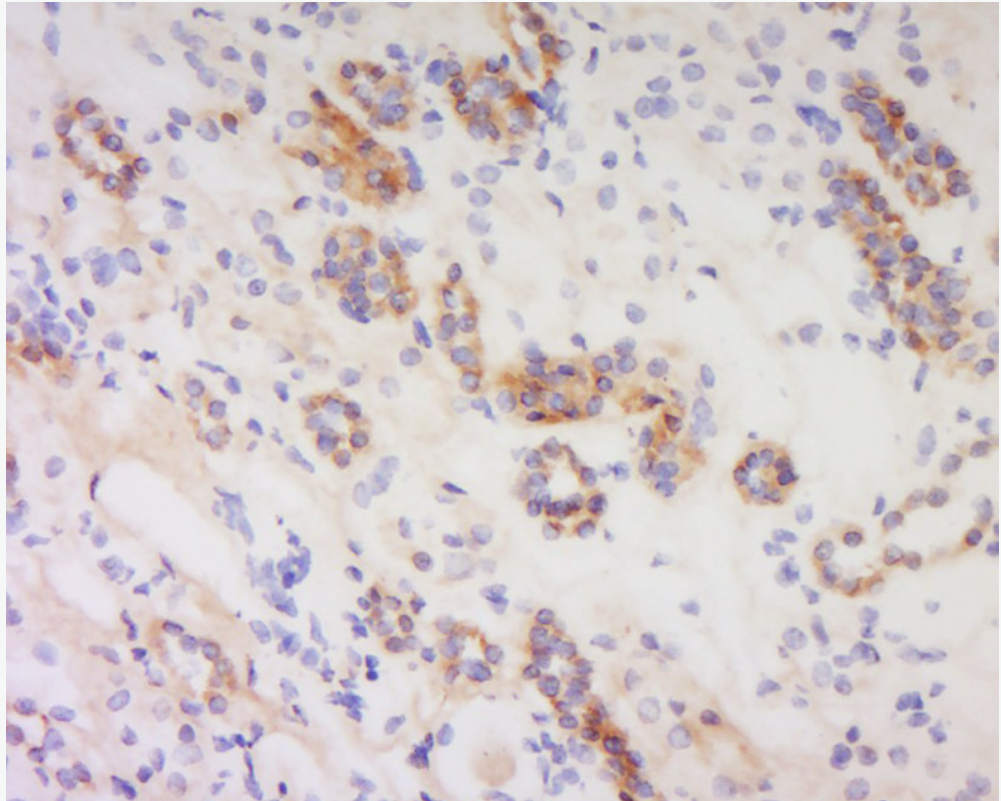
Lane 1: Mouse Pituitary Lysates

Primary: Anti-PACAP-38 (SL0200R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 5kDa

Observed band size: 19kDa

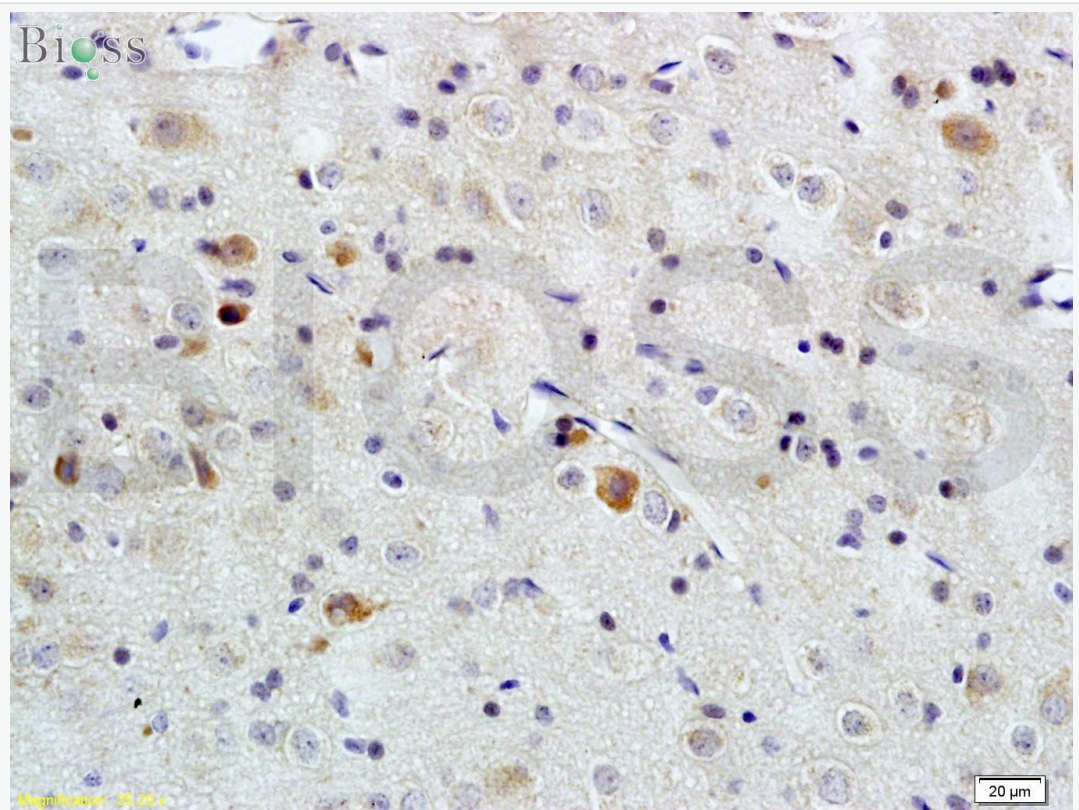


Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

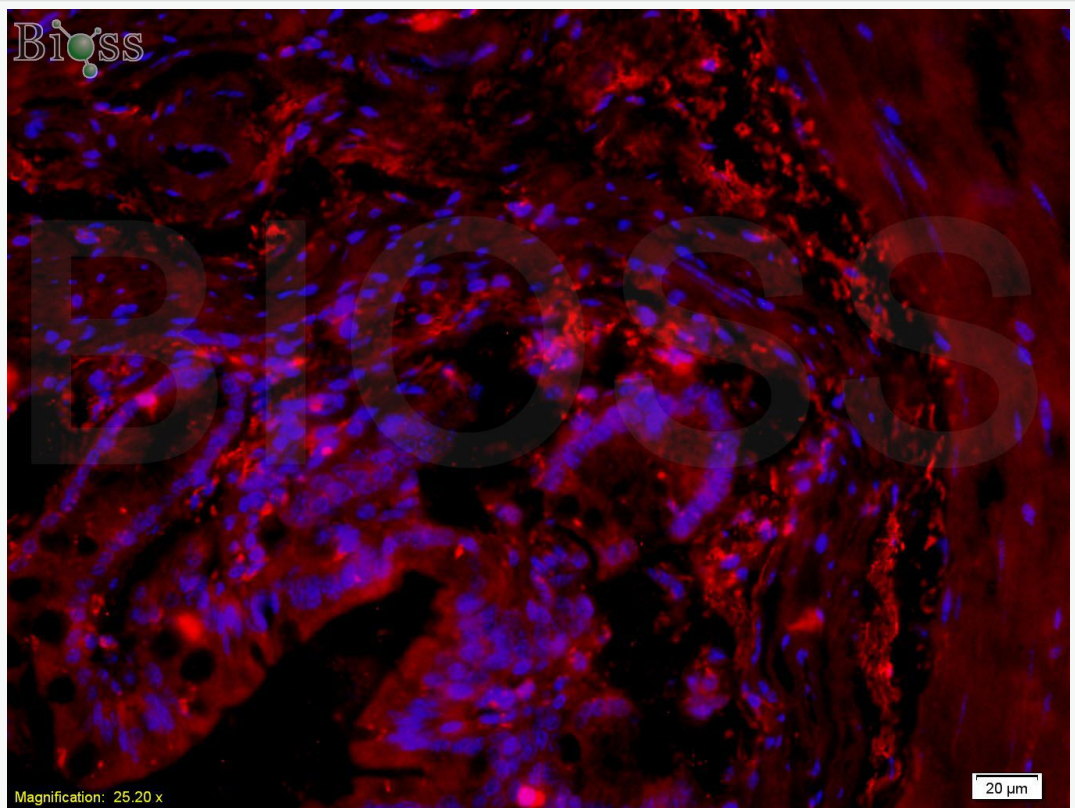
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-PACPA Polyclonal Antibody, Unconjugated(SL0200R) 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 (1M, 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(SL0200R) 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 (1M, 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(SL0200R)

1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(SL0295G-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