



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; Pituitary adenylate cyclase-activating polypeptide 27; PACAP-related peptide; PACAP27; PACAP-27; Pituitary adenylate cyclase-activating polypeptide 38; Pituitary adenylate cyclase-activating polypeptide 38; PACAP38; PACA HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	5kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PACAP-38:31-38/176
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Pituitary adenylate cyclase Activating polypeptide-27/38, PACAP-27/38 is a

neuropeptide that has substantial sequence homology to vasoactive intestinal peptide (VIP). Both VIP and PACAP-38 are equipotent at the VCAP-2 receptor, while PAC AP - 38 is equipotent to PACAP-27 and more potent than VIP at the PAC-1 receptor. 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.

SWISS:

P18509

Gene ID:

116

Database links:

[Entrez Gene: 116](#)Human

[Entrez Gene: 11516](#)Mouse

[Entrez Gene: 414283](#)Pig

[Entrez Gene: 24166](#)Rat

[Oimim: 102980](#)Human

[SwissProt: P18509](#)Human

[SwissProt: O70176](#)Mouse

[SwissProt: P41535](#)Pig

[SwissProt: P13589](#)Rat

[Unigene: 531719](#)Human

[Unigene: 727476](#)Human

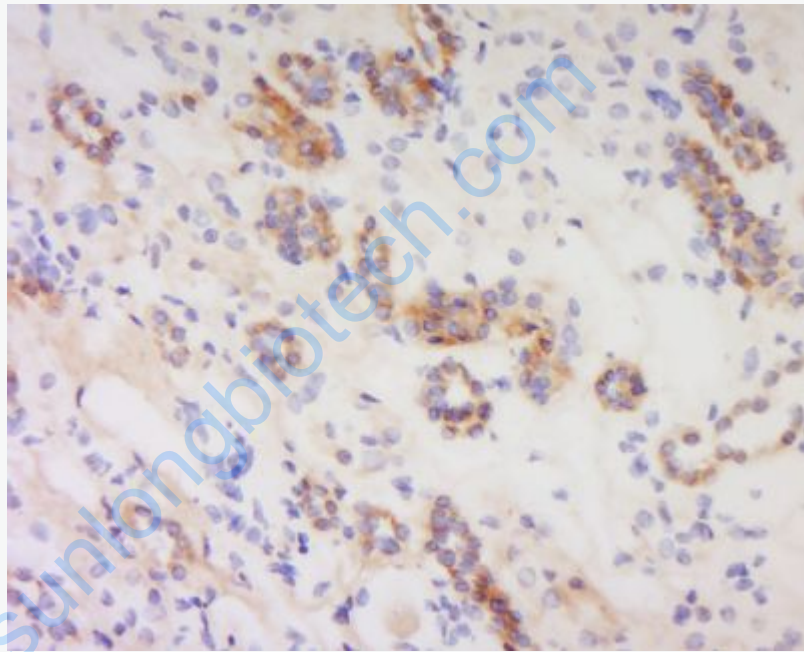
[Unigene: 3407](#)Mouse

[Unigene: 37400](#)Rat

Important Note:

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

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。



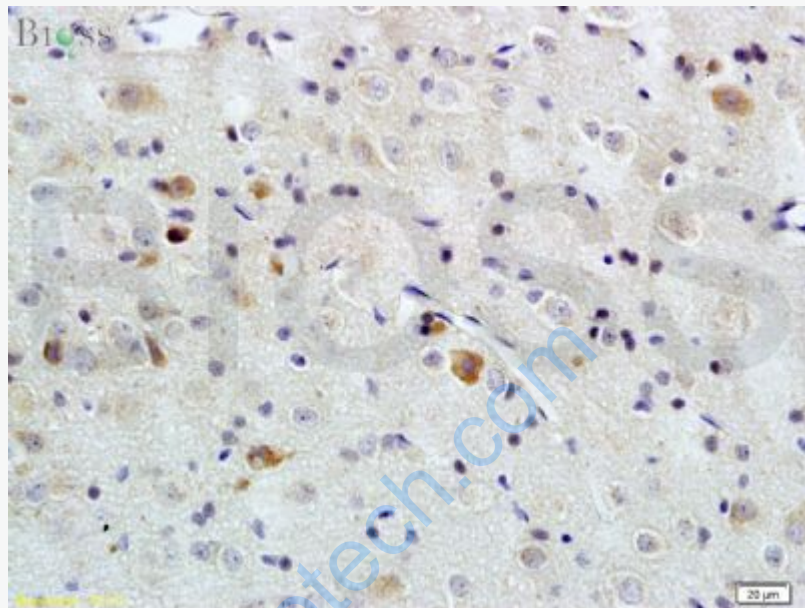
Picture:

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

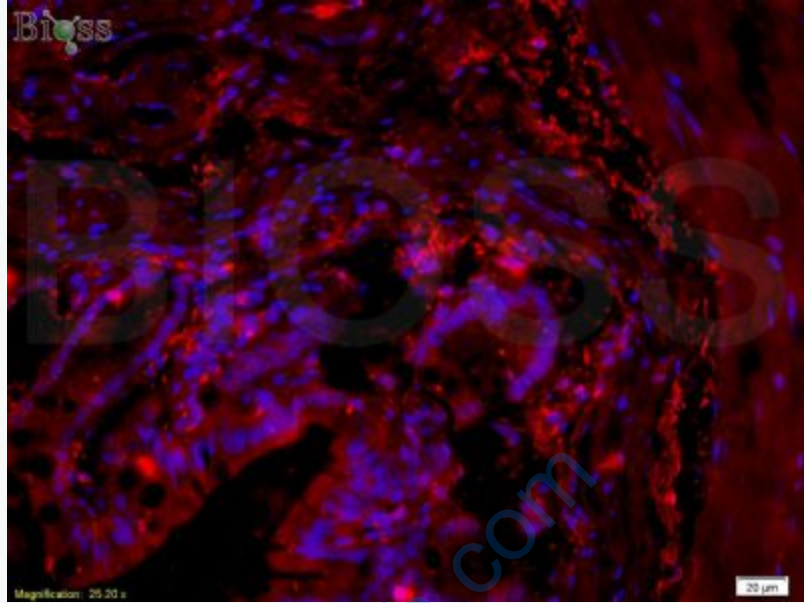
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-PACPA Polyclonal Antibody, Unconjugated(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 (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(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 (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(SL0200R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(SL0200R)used at 1:200 dilution for 40 minutes at 37°C.

DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei