Datasheet for ABIN4886760

anti-Vip antibody (Middle Region)

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Overview

Quantity:	100 µg
Target:	Vip
Binding Specificity:	AA 81-107, Middle Region
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for VIP peptides(VIP) detection. Tested with IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human VIP (81-107aa HADGVFTSDFSKLLGQLSAKKYLESLM), different from the related mouse and rat sequences by four amino acids.
Sequence:	HADGVFTSDF SKLLGQLSAK KYLESLM
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for VIP peptides(VIP) detection. Tested with IHC-P in Human,Mouse,Rat. Gene Name: vasoactive intestinal peptide Protein Name: VIP peptides

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	Vip
Alternative Name:	VIP (Vip Products)
Background:	Vasoactive intestinal peptide, also known as PHM27 or VIP, is a peptide hormone containing 28 amino acid residues. This gene is mapped to 6q25. The protein encoded by this gene belongs to the glucagon family. It stimulates myocardial contractility, causes vasodilation, increases glycogenolysis, lowers arterial blood pressure and relaxes the smooth muscle of trachea, stomach and gall bladder. The protein also acts as an antimicrobial peptide with antibacterial and antifungal activity. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. Synonyms: PHM27 | PHM-27 | PHM 27 | PHV42 | VIP | VIP peptides | P01282
Gene ID:	7432
UniProt:	P01282
Pathways:	Hormone Activity, cAMP Metabolic Process

Application Details

Application Notes:	IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

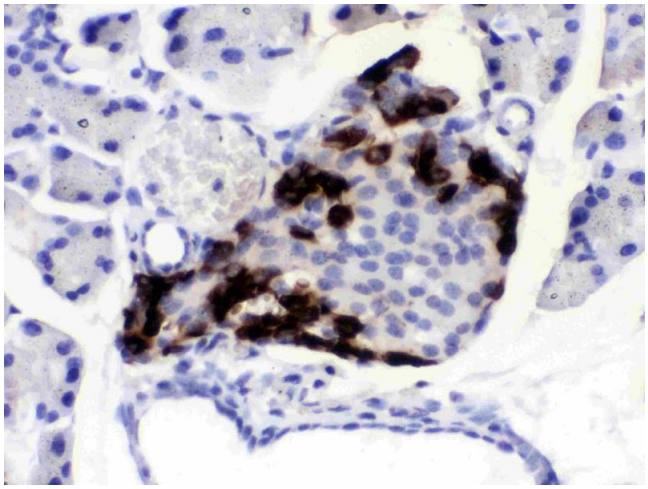
Handling

Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

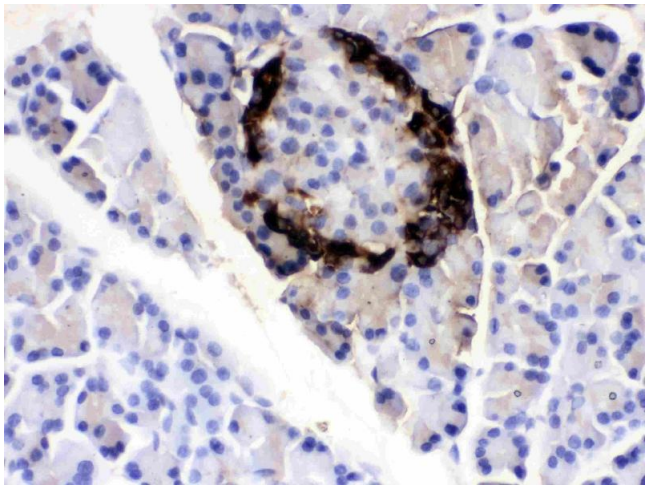
Product cited in:	Huang, Zhu, Zhang, Zhu, Liu, Zhu, Wang, Li, Yang, Dong, Liu, Chen, Zhang, Yang, Deng, Fan, Wang, Liu, Ma, Fu, Wu: "S100+ cells: a new neuro-immune cross-talkers in lymph organs." in: **Scientific reports**, Vol. 3, pp. 1114, (2013) (PubMed).

Images



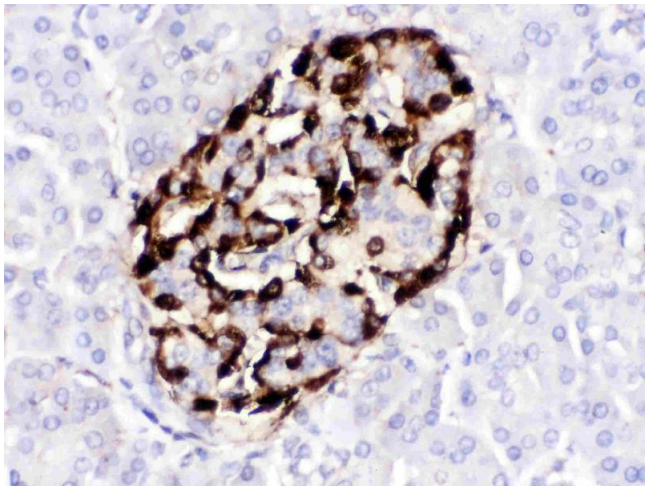
Immunohistochemistry

Image 1. VIP was detected in paraffin-embedded sections of mouse pancreas tissues using rabbit anti- VIP Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. VIP was detected in paraffin-embedded sections of rat pancreas tissues using rabbit anti- VIP Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 3. VIP was detected in paraffin-embedded sections of human pancreatic cancer tissues using rabbit anti- VIP Antigen Affinity purified polyclonal antibody (Catalog #) at 1 ??g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

