

VIP Rabbit mAb**Catalog No.: A24164****Recombinant****Basic Information****Observed MW**

19 kDa

Calculated MW

19 kDa

Category

Monoclonal Antibodies

Applications

WB, IF/ICC, IHC-P, mIHC, ELISA

Cross Reactivity

Human, Mouse, Rat

Clone No.

ARC65218

Background

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.

Recommended Dilutions**WB** 1:5000 - 1:20000**IF/ICC** 1:300 - 1:1200**IHC-P** 1:500 - 1:2000**mIHC** 1:1000 - 1:4000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information**Gene ID**

7432

Swiss-Prot

P01282

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

PHM27; VIP

Contact | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn**Product Information****Source**

Rabbit

Isotype

IgG

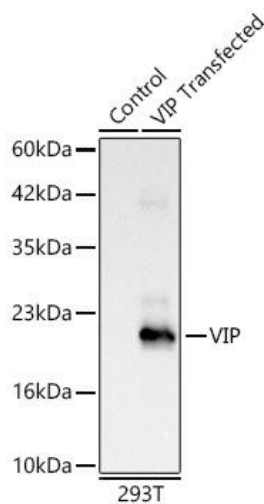
Purity

Affinity purification

Storage

Store at -20°C

Validation Data



Western blot analysis of lysates from wild type (WT) and 293T cells transfected with VIP using VIP Rabbit mAb (A24164) at 1:5000 dilution.

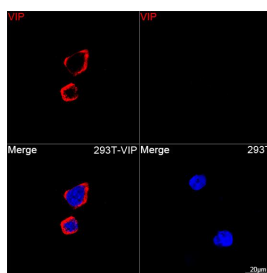
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

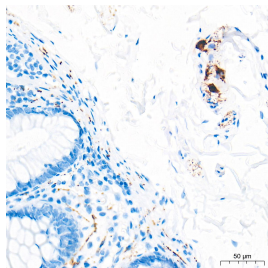
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

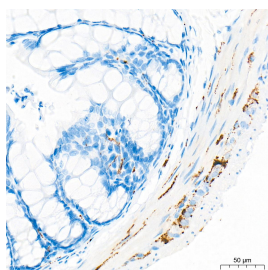
Exposure time: 15s.



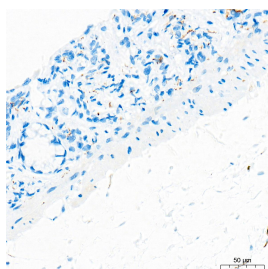
Confocal imaging of 293T cells transfected with VIP using VIP Rabbit mAb (A24164, dilution 1:300) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500)(Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



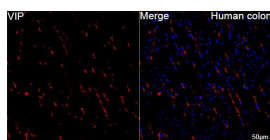
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using VIP Rabbit mAb (A24164) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



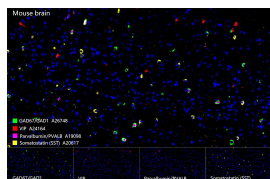
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using VIP Rabbit mAb (A24164) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



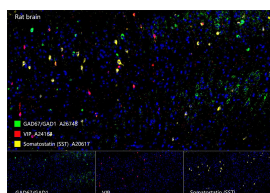
Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using VIP Rabbit mAb (A24164) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Human colon tissue using VIP Rabbit mAb (A24164, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



The multiplex IHC analysis on paraffin-embedded Mouse brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : GAD67/GAD1 Rabbit mAb (A26748, 1:500) with TSA-TYR-520 (Green), and VIP Rabbit mAb (A24164, 1:2000) with TSA-TYR-570 (Red), and Parvalbumin/PVALB Rabbit mAb (A19098, 1:2000) with TSA-TYR-620 (Magenta), and Somatostatin (SST) Rabbit mAb (A20617, 1:2000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Rat brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : GAD67/GAD1 Rabbit mAb (A26748, 1:500) with TSA-TYR-520 (Green), and VIP Rabbit mAb (A24164, 1:2000) with TSA-TYR-570 (Red), and Somatostatin (SST) Rabbit mAb (A20617, 1:2000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.