

Anti-Vasoactive Intestinal Peptide (human, bovine, porcine, rat, VIP)

Mouse monoclonal antibody

Subclass: IgG1/k
Clone: 2

CAT. NO.

ABS 023-02

SPECIFICITY	ABS 023-02 binds to human, bovine, porcine or rat VIP, but does not bind to PHM or PACAP.
IMMUNOGEN	Vasoactive intestinal peptide
TESTED APPLICATIONS	ELISA, WB, IHC, IF
SPECIES REACTIVITY (POSITIVE)	Human, bovine, porcine, rat
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Not determined

PRESENTATION

Content:	Available in 400 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION

ELISA: A dilution guideline of 1/1000 applies to VIP coated directly at 2 µg/mL. For glutaraldehyde-linked VIP-ovalbumin (molar ratio 4:1) coated at 2 µg/mL, the dilution is 1/32,000.
WB: ABS 023-02 can be used in Western blotting.
IHC: ABS 023-02 was used in IHC in formaline fixed paraffin embedded tissue with a dilution of 1:100.
IF: ABS 023-02 was used in IF with a dilution of 1:100.

TARGET

Vasoactive intestinal peptide (VIP) is a 28 amino acid peptide belonging to the secretin-glucagon family of peptide hormones. Its sequence is identical in humans, cows, pigs and rats. VIP is widely distributed in the central and peripheral nervous systems, acting as a neurotransmitter or neuromodulator. Peripherally it is involved in vaso- and bronchodilatation, smooth muscle relaxation and stimulation of secretion. Ectopic endocrine tumors secreting VIP (VIPomas) give rise to raised plasma levels of VIP and are associated with watery diarrhea, hypokalemia and achlorhydria syndrome.
VIP shows high sequence homology with peptide histidine-methionine (PHM) in humans or peptide histidine-serine (PHI) in pigs or rats, present in the same precursor, and with the neuropeptide pituitary adenylate cyclase activating polypeptide (PACAP).

REFERENCES

CONDITIONS

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.