



BMA BIOMEDICALS



Peninsula Laboratories

T-4245

Rabbit anti Vasoactive Intestinal Peptide (VIP) (human, mouse, rat) [UniProt: P01282, P32648, P01283]

Vasoactive intestinal peptide (VIP) is a 28 amino acid neuropeptide that is vasoactive in the intestine. It belongs to a glucagon/secretin superfamily, the ligand of class II G protein-coupled receptors. VIP is produced in many tissues of vertebrates including the gut, pancreas, and suprachiasmatic nuclei of the hypothalamus in the brain. VIP functions as neuromodulator and neurotransmitter, and it is known to regulate muscle activity, epithelial cell secretion, and blood flow in the gastrointestinal tract.

This antibody was generated by immunization of guinea pigs with Vasoactive Intestinal Peptide coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A16313
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Vasoactive Intestinal Peptide. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-His-Ser-Asp-Ala-Val-Phe-Thr-Asp-Asn-Tyr-Thr-Arg-Leu-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Asn-Ser-Ile-Leu-Asn-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
VIP (human, mouse, rat)	100
VIP (guinea pig)	70
VIP (10-28) (human, bovine, porcine, rat)	15
VIP (1-12) (human, porcine, rat)	0
PHM-27 (human)	0
Substance P	0
Endothelin-1 (human, porcine, dog, rat, mouse, bovine)	0
Secretin (porcine)	0
Glucagon (human)	0
Galanin (rat)	0
Somatostatin-14	0
PACAP-38 amide (human, mouse, ovine, porcine, rat)	0
PACAP-38 (16-38) amide (human, chicken, mouse, ovine, porcine, rat)	0
PACAP-27 (human, mouse, ovine, porcine, rat)	0

Related Products: S-1183: ELISA, high sensitivity for extracted samples (hu, ms, rt).
S-1201: ELISA, extraction-free for human serum and plasma samples.
S-1202: ELISA, extraction-free for rat serum and plasma samples
S-1471: ELISA, extraction-free for mouse serum and plasma samples
T-4246: neat antiserum, host: rabbit
T-5030: neat antiserum, host: guinea pig

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4245

rabbit IgG

1.3.2021

BMA BIOMEDICALS, Rheinstrasse 28-32, CH-4302 Augst (Switzerland)
Phone: +41 61 811 6222, Fax: +41 61 811 6006, info@bma.ch, www.bma.ch