



BMA BIOMEDICALS



Peninsula Laboratories

T-4471

Rabbit anti PACAP-38 (human, mouse, ovine, porcine, rat) [Uniprot: P18509, O70176, P16613, P14535, P13589]

Pituitary Adenylate Cyclase-Activating Polypeptide-38 also known as PACAP-38 is a neuropeptide that has substantial sequence homology to vasoactive intestinal peptide (VIP). It is reported to serve as a neuronal survival factor and it has a greater potency for stimulation of adenylyl cyclase.

This antibody was generated by immunization of rabbits with PACAP-38 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A09985
Host species:	Rabbit IgG
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
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 PACAP-38. 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-Gly-Ile-Phe-Thr-Asp-Ser-Tyr-Ser-Arg-Tyr-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Ala-Ala-Val-Leu-Gly-Lys-Arg-Tyr-Lys-Gln-Arg-Val-Lys-Asn-Lys-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
PACAP (1-38) amide (human, mouse, porcine, ovine, rat)	100
PACAP (16-38) amide (human, ovine, rat)	70
PACAP (31-38) amide (human, ovine, rat)	100
PACAP-27-NH ₂ (ovine)	0
VIP (human, bovine, porcine, rat)	0
CRF (human, rat)	0
ACTH (1-39) (human)	0
BNP-32 (human)	0
α -ANP (1-28) (human, canine)	0
Adrenomedullin 1-52 (human)	0

Related Products: T-4473: anti PACAP-38, undiluted antiserum (hu, ms, ov, po, rt)
T-5042: anti PACAP-38, neat antiserum (hu, ck, ms, ov, po, rt)
S-1322: ELISA, high sensitivity for extracted samples (hu, ms, ov, po, rt)
T-4472: anti PACAP-38, purified IgG (hu, ms, ov, po, rt)

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-4471

diluted antiserum

10.11.2020