



BMA BIOMEDICALS



Peninsula Laboratories

T-4476

Rabbit anti PACAP (Pituitary Adenylate Cyclase Polypeptide) Related Peptide (1-29) (rat) [UniProt: P13589]

Pituitary adenylate cyclase-activating polypeptide, also known as PACAP, is a protein similar to vasoactive intestinal peptide (VIP). One of its effects is to stimulate enterochromaffin-like cells. It binds to vasoactive intestinal peptide receptor and to the PACAP receptor. The PACAP precursor contains another peptide called PACAP-related peptide, which is expressed in the parvocellular part of the paraventricular nucleus (PVN), implying its role as hypothalamic regulatory peptide.

This antibody was generated by immunization of rabbits with PACAP (1-29) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	031461
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 PACAP (1-29) and in immunohistochemistry (IHC). Other applications like 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-Asp-Val-Ala-His-Glu-Ile-Leu-Asn-Glu-Ala-Tyr-Arg-Lys-Val-Leu-Asp-Gln-Leu-Ser-Ala-Arg-Lys-Tyr-Leu-Gln-Ser-Met-Val-Ala-OH coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
PACAP (1-29) related peptide (rat)	100
PACAP-38 (human, mouse, ovine, porcine, rat)	0
PACAP-38 (16-38) (human, chicken, mouse, ovine, porcine, rat)	0
PACAP-38 (31-38) (human, chicken mouse, ovine, porcine, rat)	0
PACAP-27 (human, mouse, ovine, porcine, rat)	0
VIP (human, bovine, ovine, porcine, mouse, rat)	0
CRF (human, rat)	0

Related Products: T-4477: Rabbit anti PACAP-29, neat antiserum
T-4473: Rabbit anti PACAP-38, undiluted serum
T-5042: Guinea pig anti PACAP-38, neat antiserum
T-4472: Rabbit anti PACAP-38, purified IgG
T-4465: Rabbit anti PACAP-27, neat antiserum
T-5039: Guinea pig anti PACAP-27, neat antiserum

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-4476

rabbit IgG

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