



BMA BIOMEDICALS



Peninsula Laboratories

T-4464

Rabbit anti PACAP-27 (human, mouse, ovine, porcine, rat) Pituitary Adenylate Cyclase Activating Polypeptide-27 [UniProt P18509]

Pituitary adenylate cyclase-activating polypeptide (PACAP) and Vasoactive Intestinal Peptide (VIP), as well as the three classes of G-protein-coupled receptors mediating their effects, are widely distributed in the central nervous system (CNS) and peripheral tissues. These peptides are reported to have many physiological or pharmacological effects in different tissues. Particularly important are their roles in glucose metabolism and on islets; their anti-inflammatory, cytoprotective effects, their CNS neuroprotective effects, and their possible roles in diseases such as schizophrenia and chronic depression. PACAP-27 is the 27 amino acid peptide cleaved off the full-length PACAP.

This antibody was generated by immunization of rabbits with PACAP-27 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A08311
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-27. 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-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
PACAP (1-27) (human, mouse, ovine, porcine, rat)	100
PACAP (1-38) (human, mouse, ovine, porcine, rat)	1
PACAP-38 (16-38) (human, chicken, mouse, ovine, porcine, rat)	< 0.01
PACAP-38 (31-38) (human, chicken, mouse, ovine, porcine, rat)	0
VIP (human, bovine, porcine, rat)	< 0.1
CRF (human, rat)	0
ACTH (1-39) (human)	0
BNP-32 (human)	0
ANF (1-28) (human)	0

Related Products: T-4465: neat rabbit anti PACAP-27 antiserum
T-5039: neat guinea pig anti PACAP-27 antiserum
S-1322: PACAP-38 ELISA, high sensitivity for extracted samples

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.

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rabbit IgG

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