



BMA BIOMEDICALS



Peninsula Laboratories

Guinea pig anti PACAP-27

Pituitary Adenylate Cyclase Activating Polypeptide-27

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 peptides cleaved off the full-length PACAP.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-5039 (Lot 040119-1)
Clonality:	Polyclonal
Host species:	Guinea pig
Reactivity:	Human, mouse, ovine, porcine, rat
Quantity:	50µl
Format:	Neat undiluted antiserum, lyophilized.
	Reconstitute by adding 50µl of distilled water. This will give the equivalent of undiluted antiserum. Avoid vortexing.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
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.
Protein database:	<u>human-P18509</u> , <u>mouse-O70176</u> , <u>porcine-P41535</u> , <u>rat-P13589</u>
Applications:	Tested in immunohistochemistry (IHC). Other applications like ELISA, FACS, and 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

Related Products:

T-4359: Rabbit anti Glucagon (1-29), neat antiserum
T-4358: Rabbit anti Glucagon (1-29), purified antiserum
T-4357: Rabbit anti Glucagon (1-29), diluted antiserum
S-1211: ELISA high sensitivity for extracted samples
S-1349: ELISA extraction-free for human serum and plasma samples

This product contains no preservative and is intended for laboratory use and research purposes only.
Not for diagnostic or therapeutic applications.