



BMA BIOMEDICALS



Peninsula Laboratories

T-4524

Rabbit anti PHI-27 (porcine)

Peptide Histidine Isoleucine (PHI), is a peptide which functions as a hormone and contains a composition of 27 amino acids with histidine on the N-terminus and isoleucine on the C-terminus. It is part of family that plays a vital role in the cell growth rate such as in the intestine as well as in brain. PHI-27 was derived from glucagon family called the pituitary adenylate cyclase-activating polypeptide (PACAP) and it has an amino acid sequence homology to vasoactive intestinal peptide, secretin, glucagon, and other growth hormone releasing factor. This peptide is present within the central nervous system that help regulate food consumption behavior, while at peripheral nervous system this peptide accumulates in the stomach which controls the digestion of food.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A03820
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 PHI-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-Ala-Asp-Gly-Val-Phe-Thr-Ser-Asp-Phe-Ser-Arg-Leu-Leu-Gly-Gln-Leu-Ser-Ala-Lys-Lys-Tyr-Leu-Glu-Ser-Leu-Ile-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
PHI-27 (porcine)	100
PHI-27 (rat)	100
PHM-27 (human)	33
Secretin	0.1
CRF (human, rat)	0.03
VIP (human, bovine, porcine, rat)	0
Substance P	0

Related Products: T-4525: Rabbit anti PHI-27 (po), 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.

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rabbit IgG

1.3.2021