



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti PACAP-38 (human, mouse, ovine, porcine, rat)

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

Catalog Number:	T-4471 (Lot A09985)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human, mouse, ovine, porcine, rat
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock 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. Reconstitute by adding 1.0 ml of distilled water.
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:	human-P18509 , mouse-O70176 , ovine-P16613 , porcine-P14535 , rat-P13589

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

Cross-Reactivity:

PEPTIDE	%
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

Applications:

Tested 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 **bma.ch** for protocols and general information.

Related Products:

T-4473: Rabbit anti PACAP-38, undiluted antiserum, (hu, ms, ov, po, rt)

T-5042: Guinea pig 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: Rabbit 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. Not for diagnostic or therapeutic applications.