



BMA BIOMEDICALS



Peninsula Laboratories

T-4469

Rabbit anti PACAP-38 (16-38) (hu, ms, ov, po, rt) [Uniprot: P18509, O70176, P16613, P14535, P13589]

Pituitary Adenylate Cyclase-Activating Polypeptide-38, also known as PACAP-38, is a 38 amino acid neuropeptide that has substantial sequence homology (68%) to vasoactive intestinal peptide (VIP). It derives from a 176-amino acid precursor (preproPACAP), and it was discovered as an ovine hypothalamic neuropeptide. PACAP-38 is reported to serve as a neuronal survival factor and it has a greater potency for stimulation of adenylyl cyclase. Also, it stimulates insulin secretion from islets in a glucose-dependent manner at femtomolar concentrations, acting as an insulinotropic factor.

This antibody was generated by immunization of rabbits with PACAP-38 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

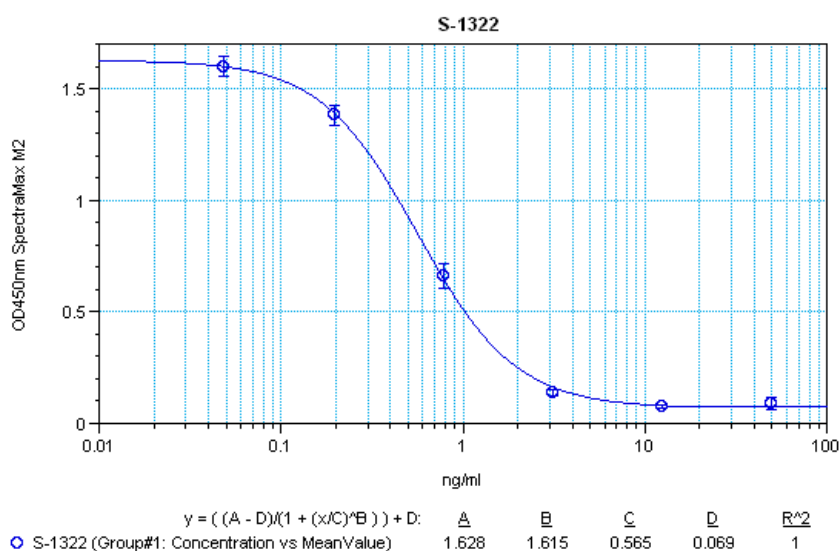
Lot number:	A17907
Host species:	Rabbit IgG
Quantity:	50µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. 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-38 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-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.

Cross-Reactivity:

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

Cross reactivity data is based on corresponding RIA kit S-2168

Typical titration curve of PACAP-38 in a competitive ELISA with this antibody:



Related Products: S-1322: ELISA, high sensitivity for extracted samples (hu, ms, ov, po, rt)
T-4468: anti PACAP-38 (16-38), purified IgG (hu, ms, ov, po, rt)
T-4467: anti PACAP-38 (16-38), diluted antiserum (hu, ms, ov, po, rt)
T-4472: anti PACAP-38, purified IgG (hu, ms, ov, po, rt)
T-4471: anti PACAP-38, diluted antiserum (hu, ms, ov, po, rt)
T-5042: anti PACAP-38, neat antiserum (hu, ms, ov, po, rt)

This product contains no 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-4469

neat antiserum

15.05.2021