



BMA BIOMEDICALS



Peninsula Laboratories

---

## T-4473

### Rabbit anti PACAP-38 (human, mouse, ovine, porcine, rat) Pituitary Adenylate Cyclase Activating Polypeptide-38

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.

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

---

#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

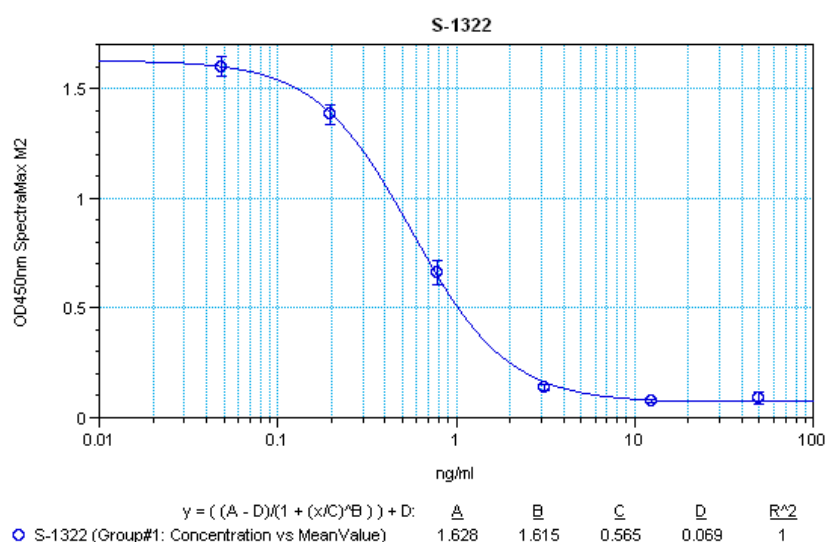
<b>Lot number:</b>	A18PO2185
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50µl
<b>Format:</b>	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum; does not contain any preservative.
<b>Stability:</b>	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.
<b>Applications:</b>	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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	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 <sub>2</sub> 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 Octreotide in a competitive ELISA with this antibody:



## Related Products:

T-4246: rabbit anti VIP, neat antiserum  
 T-4464: rabbit anti PACAP-27, purified IgG  
 T-4465: rabbit anti PACAP-27, neat antiserum  
 T-4468: rabbit anti PACAP-38 (16-38), purified IgG  
 T-4469: rabbit anti PACAP-38 (16-38), neat antiserum  
 T-4472: rabbit anti PACAP-38, purified IgG  
 T-5029: guinea pig anti VIP, diluted antiserum  
 T-5030: neat guinea pig anti VIP antiserum  
 T-5039: neat guinea pig anti PACAP-27 antiserum  
 T-5042: neat guinea pig anti PACAP-38 antiserum  
 S-1183: VIP ELISA, high sensitivity for extracted samples  
 S-1322: PACAP-38 ELISA, high sensitivity for extracted samples

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-4473

neat antiserum

17.08.2021