Polyclonal Antibody to
PACAP-related Peptide
(Pituitary adenylate cyclase activating peptide-related peptide)

Category: Rabbit polyclonal
Form/Purification: Undiluted rabbit serum (lyoph.)
Immunogen: Synthetic rat PRP (Peninsula), conjugated to BSA
Description/Specificity: Pituitary adenylate cyclase activating peptide (PACAP), originally isolated from ovine hypothalamus, belongs to the VIP-family of peptides. PACAP-related peptide (PRP) is a 29-amino acid peptide, which is produced together with PACAP-27 and PACAP-38 when PreproPACAP is being processed. PRP is abundant in the brain, but can be also found in the respiratory and gastrointestinal tracts. Absorption with 10-100 µg immunogen per ml diluted antiserum abolishes the staining, while PACAP-27, PACAP-38, VIP, PHI, CRF, oxytocin and vasopressin do not.

Positive Control: Stefanini-fixed frozen sections of rat duodenum, fundus or antrum
Species tested so far: tested on rat tissue. Does not work on human tissues!
Application:
- Immunofluorescence microscopy
- Suitable for frozen sections
Reconstitution: Dissolve the antiserum in 50 - 100 µl distilled water, and dilute further in 0.1 M PBS with 1% BSA and 0.1% NaN₃.
Working Dilution: 1:400 – 1:800 for immunofluorescence microscopy with overnight incubation at 2-8°C.
Storage: At 2-8°C (lyoph.) or at -20°C (aliquots)
Quantity / Volume: 50 µl (lyoph.)

Reference:

Cat. No. 16064