Polyclonal Antibody to Substance P 4-11

Category
Rabbit polyclonal

Form/Purification
Undiluted rabbit serum

Immunogen
Synthetic Substance P 4-11, conjugated to thyroglobulin using CDI

Description/Specificity
Substance P occurs in nerve fibers of the central and peripheral nervous system and in endocrine cells of the gut. It stimulates smooth muscle contraction, gives rise to vasodilation and is involved in sensory functions. Substance P-containing tumors arising in the ileum are often associated with the carcinoid syndrome, characterized by flushing of the skin, diarrhea, broncho-constriction and sudden drops in blood pressure. Substance P is commonly found in the midgut carcinoids and some of the symptoms may be related to this peptide. Absorption with 10 – 100 µg SP 1-4 per ml diluted antiserum abolishes the staining.

Positive Control
Frozen sections of rat colon

Reaction with Species (tested)
Human, rat

Application
- Immunohistochemistry
- Suitable for frozen and paraffin-embedded* tissue
  *no proteolytic treatment required

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 using PAP, with overnight incubation at 2-8°C.

Storage
At 2-8°C (undiluted) or at -20°C (aliquots)

Quantity / Volume
50 µl (lyoph.)

Reference

Cat. No. 16070