Polyclonal Antibody to Neurokinin A/Substance K

Category: Rabbit polyclonal

Form/Purification: Undiluted serum (lyoph.)

Immunogen: Neurokinin A/Substance K (Peninsula), conjugated to BSA

Description/Specificity: Neurokinin A/Substance K represents a member of the tachykinin family of peptides. Neurokinin A, which arises by cleavage of the substance P precursor, occurs in neurons in the central and peripheral nervous systems, and is particularly numerous in the gastrointestinal tract. The biological actions of neurokinin A are similar to those of substance P, and include vasodilation and stimulation of smooth muscle contraction. Absorption with 10-100 µg NKA per ml diluted antiserum abolishes the staining, while substance P does not.

Positive Control: Formalin-fixed paraffin sections of rat colon

Species tested so far: Human, pig, rat; fish

Application:
- Immunofluorescence
- Immunohistochemistry
- Suitable for frozen and paraffin 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 (PAP)
- 1:200 - 1:400 (immunofluorescence microscopy using FITC) 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. 16051