

Product: Anti-Neurokinin A/Substance K
Catalog #: 03-16051
Amount: 50 ml

CATEGORY: Rabbit polyclonal
IMMUNOGEN: Neurokinin A/Substance K (Peninsula), conjugated to BSA
FORM: Serum containing 0.09% sodium azide
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.
POSTIVE CONTROL: Formalin-fixed paraffin sections of rat colon.
SPECIES TESTED SO FAR: Rat
APPLICATION (tested so far):
- Immunofluorescence
- Immunohistochemistry, suitable for frozen and paraffin sections
WORKING DILUTION
1:20 - 1:40 for immunofluorescence microscopy (FITC) with overnight incubation at 2-8°C
1:40 – 1:80 (PAP)
DILUTION BUFFER: 0.1 M PBS containing 1% BSA and 0.1% NaN₃.
STORAGE: 2-8°C for immediate use, or at -20°C (aliquot) for extended storage

REFERENCE

Lundberg LM. Growth and degeneration of uterine innervation. An experimental study in the guinea pig. Thesis Lund 1988
Schmidt et al. (1991) Peptides **12**: 963-973

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