

Product: Anti-Substance P
Catalog #: 03-16069
Amount: 50 ml

CATEGORY: Guinea Pig Polyclonal
IMMUNOGEN: Substance P conjugated to BSA
FORM: Serum, 0.1% sodium azide

**CLINICAL APPLICATION/
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.

APPLICATION:

Immunohistochemistry of frozen sections
Immunofluorescence
Human, Rat

**SPECIES TESTED:
RECOMMENDED POSITIVE**

CONTROL:

Frozen section of rat colon

INCUBATION TIME:

1 hour at room temperature for immunohistochemical application.

WORKING DILUTION:

1:40 – 1:80 for Immunofluorescence with overnight incubation at 2-8°C

STORAGE:

2-8°C for immediate use, or at -20°C (aliquot)

REFERENCE:

Hardebo, JE et al. (1989) Neuroscience letters **101**: 39-45
Witt, M. et al. (1998) Histochem. Cell Bio **109** (3): 281-291

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