Product datasheet

anti-Substance P guinea pig polyclonal, serum

Short overview

Cat. No.	16069
Quantity	50 µl (lyoph.)

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Substance P (code 7451, Peninsula, USA), conjugated to BSA
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	P06767 (Rat)
Conjugate	Unconjugated
Purification	Undiluted antiserum
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC
Reactivity	Rat

Applications

Immunohistochemistry (IHC) - frozen	1:400-1:800

Background

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 ug SP and NKA per ml diluted antiserum abolishes the staining while GRP and NKB do not.

Positive control: frozen sections of rat colon.

Product images

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References

Publication	Species	Application
Kressel, M. & Radespiel-TrÃ¶ger, M. Anterograde tracing and immunohistochemical characterization of potentially mechanosensitive vagal afferents in the esophagus. J. Comp. Neurol. 412, 161â€“172 (1999).	rat	whole mount
Witt, M. & Reutter, K. Innervation of developing human taste buds. An immunohistochemical study. Histochem. Cell Biol. 109, 281â€“291 (1998).	human	IHC (frozen)
Shahbazi, F. et al. Primary structure, distribution, and effects on motility of CGRP in the intestine of the cod Gadus morhua. Am. J. Physiol. - Regul. Integr. Comp. Physiol. 275, R19â€“R28 (1998).	cod	IHC (frozen)