

Product datasheet PS251

MONOSAN[®]

Polyclonal Guinea-Pig anti-Substance P

Clone no. -

MONOSAN

Product name	Polyclonal Guinea-Pig anti-Substance P
Host	Guinea pig
Applications	IHC-fr (1:400-1:800)
Species reactivity	Rat
Conjugate	-
Immunogen	Substance P (code 7451, Peninsula, USA), conjugated to BSA
Isotype	-
Clonality	Polyclonal
Clone number	-
Size	50 µl (lyoph.)
Concentration	n/a
Format	-
Storage buffer	Lyophilized; reconstitute in 100 µl dist. water
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

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.

References

1. Kressel, M. et al. J. Comp. Neurol. 1999;412: 161–172
2. Witt, M. et al. Histochem. Cell Biol. 1998; 109: 281–291
3. Shahbazi, F. et al. Am. J. Physiol. - Regul. Integr. Comp. Physiol. 1998;275: R19–
4. -
5. -

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