

Product datasheet

anti-Substance P (aa 4-11) rabbit polyclonal, serum

Short overview

Cat. No.	16070
Quantity	50 µl (lyoph.)

Product description

Host	Rabbit
Antibody Type	Polyclonal
Immunogen	Synthetic Substance P 4-11, conjugated to thyroglobulin using CDI
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	P25103 (Human), P06767 (Rat), P14600 (Rat)
Synonym	Substance-P receptor, SPR, NK-1 receptor, NK-1R, Tachykinin receptor 1, TACR1, NK1R, TAC1R
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	Human, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:400-1:800
Immunohistochemistry (IHC) - paraffin	1:400-1:800 (microwave treatment recommended)

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 µg SP 1-4 per ml diluted antiserum abolishes the staining.

Positive control: frozen sections of rat colon.

Product images



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