

## Product datasheet

### anti-Neurokinin A rabbit polyclonal, serum

#### Short overview

<b>Cat. No.</b>	16051
<b>Quantity</b>	50 µl (lyoph.)

#### Product description

<b>Host</b>	Rabbit
<b>Antibody Type</b>	Polyclonal
<b>Immunogen</b>	Neurokinin A/Substance K (Peninsula), conjugated to BSA
<b>Formulation</b>	Lyophilized; reconstitute in 100 µl dist. water
<b>UniprotID</b>	P20366 (Human), P67932 (Guinea pig), I3L881 (Pig), P06767 (Rat)
<b>Synonym</b>	Protachykinin-1, PPT [Cleaved into: Substance P; Neurokinin A, NKA, Neuromedin L, Substance K; Neuropeptide K, NPK; Neuropeptide gamma; C-terminal-flanking peptide], TAC1, NKA, NKNA, TAC2
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Undiluted antiserum
<b>Storage before reconstitution</b>	2-8°C until indicated expiry date
<b>Storage after reconstitution</b>	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	IHC
<b>Reactivity</b>	Human, Pig, Rat

#### Applications

<b>Immunohistochemistry (IHC) - frozen</b>	1:200-1:800
<b>Immunohistochemistry (IHC) - paraffin</b>	1:200-1:800 (microwave treatment recommended)

#### Background

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.

Positive control: formalin-fixed paraffin sections of rat colon.

#### Product images



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