



Substance P polyclonal antibody

Catalog: AP6027

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Substance P (also designated NK-1) is an active peptide, known as a Tachykinin, that affects diverse functions, including blood pressure regulation, peristalsis of the gut, salivation and the modulation of cellular immunity. Fragments of Substance P have differential binding capacities for Substance P receptors and have varying biological activities. For example, two amino-terminal fragments of Substance P are able to evoke an increase in GABA release. NK-1 receptor (NK-1R), also designated Substance P receptor, binds to Tachykinin peptides, including Substance P, Substance K and Neuromedin K. In response to Substance P binding, NK-1R signals IL-12 production.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 15 kDa

Swiss-Prot:

P20366

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 96% (by SDS-PAGE).

Applications:

IHC: 1:100~1:500

IF: 1:100~1:500

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Substance P polyclonal antibody reacts specifically with Substance P. No crossreactivity with related tachykinins (Neurokinin A, Neurokinin B, and Kassinin).

DATA:**Note:**

For research use only, not for use in diagnostic procedure.

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