


### Anti-Substance P antibody [SP-DE4-21] ab14184

★★★★★ [15 Abreviews](#) [39 References](#) [4 图像](#)

#### 概述

<b>产品名称</b>	Anti-Substance P抗体[SP-DE4-21]
<b>描述</b>	小鼠单克隆抗体[SP-DE4-21] to Substance P
<b>宿主</b>	Mouse
<b>特异性</b>	The antibody reacts specifically with human Substance P. No crossreactivity with related tachykinins (human Neurokinin A, Neurokinin B, and Kassinin).
<b>经测试应用</b>	<b>适用于:</b> ELISA, IHC-P, ICC/IF
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat, Guinea pig, Human <b>预测可用于:</b> Horse, Chicken, Hamster, Cow, Shark, Common marmoset 
<b>免疫原</b>	Synthetic peptide corresponding to Human Substance P aa 58-68. Sequence: RPKPQQFFGLM  Database link: <a href="#">P20366</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>阳性对照</b>	Guinea pig bone marrow. The antibody binds to the substantia gelatinosa.
<b>常规说明</b>	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.  If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>存储溶液</b>	pH: 7.40 Constituents: PBS, 0.75% Glycine
<b>纯度</b>	Protein G purified

克隆 单克隆  
 克隆编号 SP-DE4-21  
 同种型 IgG1

## 应用

**The Abpromise guarantee** **Abpromise™** 承诺保证使用 ab14184 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P	★★★★★ (12)	1/1000 - 1/2000.
ICC/IF	★★★★★ (2)	Use at an assay dependent concentration.

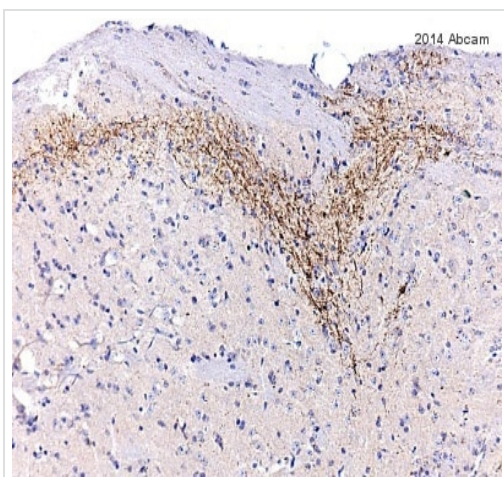
## 靶标

**功能** Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles.

**序列相似性** Belongs to the tachykinin family.

**细胞定位** Secreted.

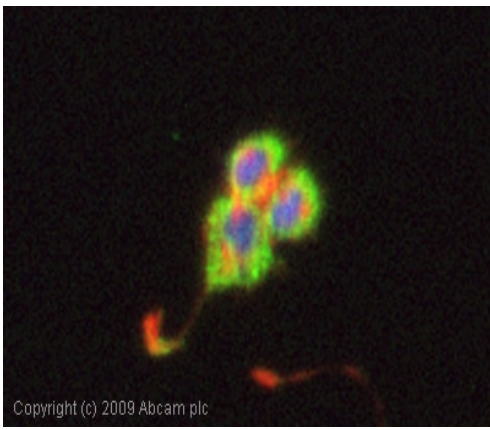
## 图片



ab14184 staining Substance P in mouse spinal cord tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 1% BSA for 10 minutes at 21°C; antigen retrieval was by heat mediation in citric acid. Samples were incubated with primary antibody (1/500 in TBS/BSA/azide) for 2 hours at 21°C. A biotin-conjugated goat anti-mouse IgG polyclonal (1/200) was used as the secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Substance P antibody [SP-DE4-21] (ab14184)

This image is courtesy of an Abreview submitted by Carl Hobbs



Immunocytochemistry/ Immunofluorescence - Anti-Substance P antibody [SP-DE4-21] (ab14184)

ICC/IF image of ab14184 stained PC12 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab14184, 1ug/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43uM.

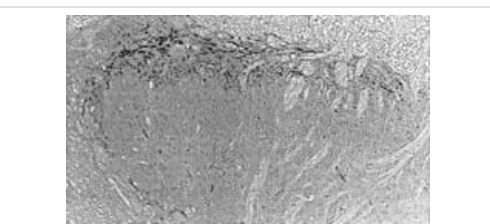


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Substance P antibody [SP-DE4-21] (ab14184)

Image courtesy of an anonymous Abreview.

ab14184 staining Substance P in human pancreas tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Tissue was fixed in formaldehyde and an enzymatic antigen retrieval step was performed. Samples were then incubated with ab14184 at a 1/100 dilution for 1 hour. The secondary used was an undiluted HRP conjugated goat anti-mouse polyclonal.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Substance P antibody [SP-DE4-21] (ab14184)

Substance P staining at 1:1000 of the substantia gelatinosa (dorsal horn) of the guinea pig spinal cord using an HRP-conjugated secondary antibody and DAB.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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