




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

★★★★★ [15 Abreviews](#) [39 References](#) [画像数 4](#)

製品の概要

製品名	Anti-Substance P antibody [SP-DE4-21]
製品の詳細	Mouse monoclonal [SP-DE4-21] to Substance P
由来種	Mouse
特異性	The antibody reacts specifically with human Substance P. No crossreactivity with related tachykinins (human Neurokinin A, Neurokinin B, and Kassinin).
アプリケーション	適用あり: ELISA, IHC-P, ICC/IF
種交差性	交差種: Mouse, Rat, Guinea pig, Human 交差が予測される動物種: Horse, Chicken, Hamster, Cow, Shark, Common marmoset 
免疫原	Synthetic peptide corresponding to Human Substance P aa 58-68. Sequence: RPKPQQFFGLM Database link: P20366  Run BLAST with  Run BLAST with
ポジティブ・コントロール	Guinea pig bone marrow. The antibody binds to the substantia gelatinosa.
特記事項	<p>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.</p> <p>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</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.40 Constituents: PBS, 0.75% Glycine
精製度	Protein G purified

ポリ/モノ	モノクローナル
クローン名	SP-DE4-21
アイソタイプ	IgG1

アプリケーション

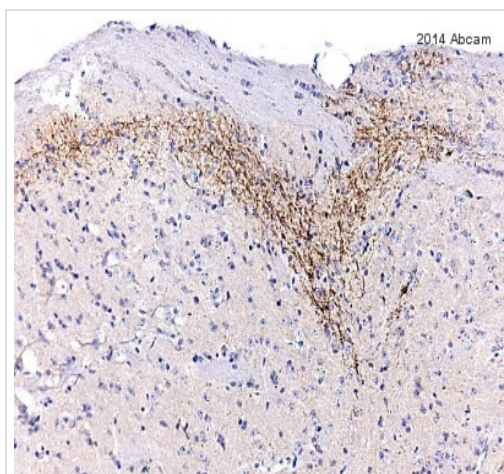
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab14184の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ELISA	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P	★★★★★ (12)	1/1000 - 1/2000.
ICC/IF	★★★★★ (2)	Use at an assay dependent concentration.

ターゲット情報

機能	Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles.
配列類似性	Belongs to the tachykinin family.
細胞内局在	Secreted.

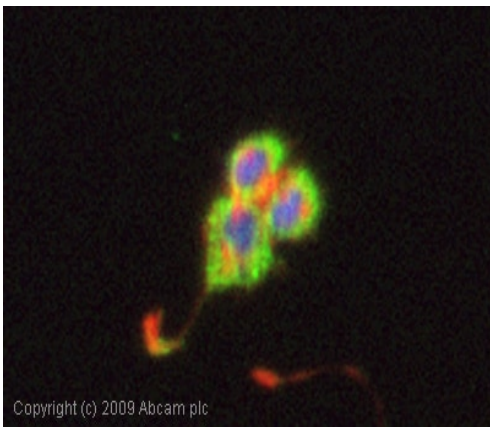
画像



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.

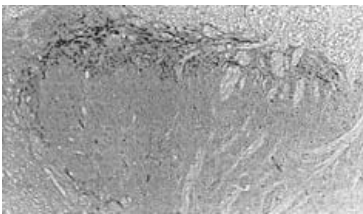


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Substance P antibody [SP-DE4-21] (ab14184)

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.

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