



Product datasheet

Anti-Substance P antibody ab10353

★★★★☆ 9 Abreviews 15 References 画像数 6

製品の概要

製品名	Anti-Substance P antibody
製品の詳細	Guinea pig polyclonal to Substance P
由来種	Guinea pig
アプリケーション	適用あり: IHC-FoFr, ICC/IF, IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide: CRPKPQQFFGLM , corresponding to amino acids 1-11 of Rat Substance P (Peptide available as ab38217 .)  Run BLAST with  Run BLAST with

特記事項

This gene encodes four products of the tachykinin peptide hormone family, substance P and neurokinin A, as well as the related peptides, neuropeptide K and neuropeptide gamma. These hormones are thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. They are known to induce behavioral responses and function as vasodilators and secretagogues. Alternative splicing of exons 4 and/or 6 produces four known products of undetermined significance.

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 or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.05% Sodium Azide Constituents: Whole Serum
精製度	Immunogen affinity purified
一次抗体 備考	This gene encodes four products of the tachykinin peptide hormone family, substance P and neurokinin A, as well as the related peptides, neuropeptide K and neuropeptide gamma. These hormones are thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. They are known to induce behavioral responses and function as vasodilators and secretagogues. Alternative splicing of exons 4 and/or 6 produces four known products of undetermined significance.

ポリモノ
アイソタイプ

ポリクローナル
IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab10353** in the following tested applications.

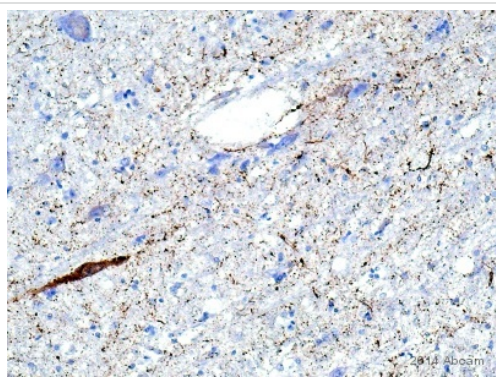
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-FoFr		1/1000.
ICC/IF		Use at an assay dependent concentration.
IHC-P	★★★★☆	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.

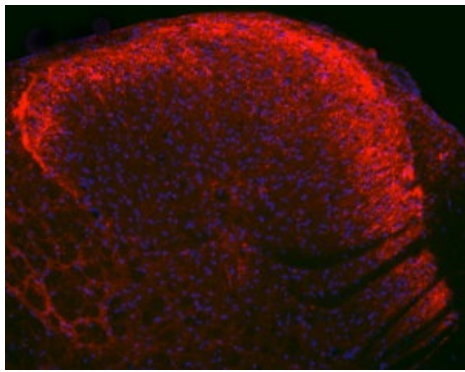
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Substance P antibody (ab10353)

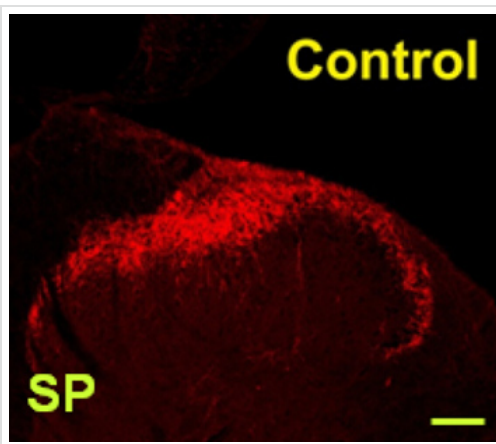
This image is courtesy of an Abreview submitted by Carl Hobbs

ab10353 staining Substance P in Human brain stem tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and blocked with 1% BSA for 10 minutes at 21°C; antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/200 in blocking buffer) for 2 hours at 22°C. A Biotin-conjugated Rabbit anti-guinea pig polyclonal (1/200) was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-Substance P antibody (ab10353)

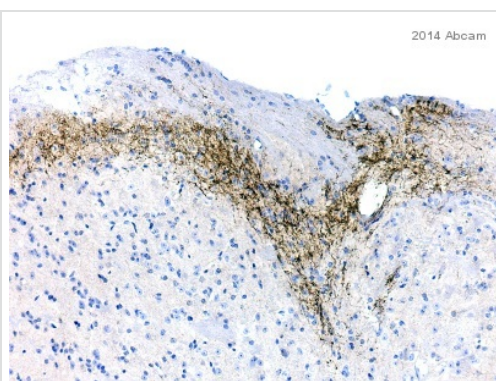
Immuofluorescent detection of Substance P in rat spinal cord dorsal horn (red fluorescence). DAPI (blue) was used as counter stain.



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-Substance P antibody (ab10353)

Image from Jeffry JA et al., PLoS One. 2009 Sep 15;4(9):e7021. doi: 10.1371/journal.pone.0007021. Fig 6.; September 15, 2009, PLoS ONE 4(9): e7021.

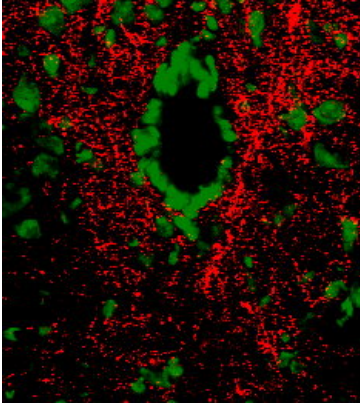
Immunohistochemical analysis of rat paw skin tissue, staining Substance P with ab10353 at 1/1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Substance P antibody (ab10353)

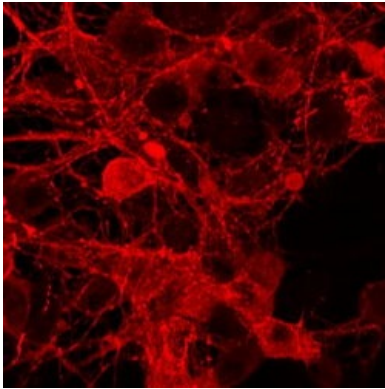
This image is courtesy of an Abreview submitted by Carl Hobbs

ab10353 staining Substance P in Mouse brain stem tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and blocked with 1% BSA for 10 minutes at 21°C; antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/400 in blocking buffer) for 2 hours at 21°C. A Biotin-conjugated Rabbit anti-Guinea pig polyclonal (1/200) was used as the secondary antibody.



ab10353 staining Substance P in mouse spinal cord (red fluorescence) by Immunohistochemistry (PFA perfusion fixed frozen sections). Tissue was counterstained with Fluoro Nissl Green (green fluorescence).

Immunohistochemistry (Frozen sections) - Anti-Substance P antibody (ab10353)



Substance P staining of trigeminal ganglia from P3-P5 rat pups.

Immunocytochemistry/ Immunofluorescence - Anti-Substance P antibody (ab10353)

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