



Datasheet for ABIN724400

anti-Substance P antibody (AA 58-68)



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Overview

Quantity:	100 µL
Target:	Substance P
Binding Specificity:	AA 58-68
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Substance P antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SP
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Sheep,Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	Substance P
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Target Details

Abstract: [Substance P Products](#)

Background: Synonyms: NK2, NPK, NKNA, TAC2, Hs.2563, Protachykinin-1, PPT, TAC1, NKA
Background: Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles.

Gene ID: 6863

UniProt: [P20366](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Product cited in:

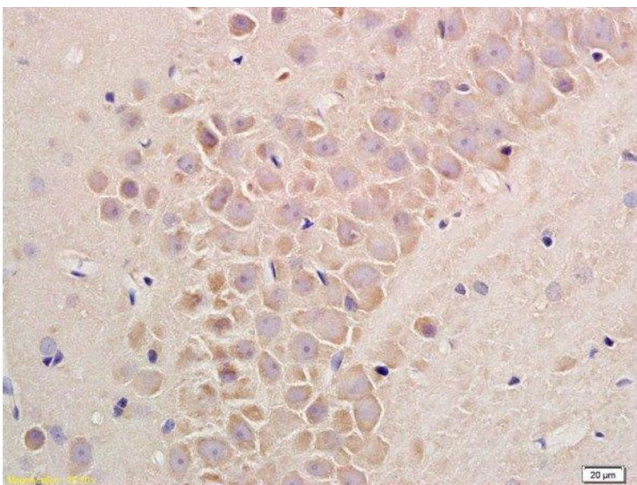
Daschil, Kniewallner, Obermair, Hutter-Paier, Windisch, Marksteiner, Humpel: "L-type calcium channel blockers and substance P induce angiogenesis of cortical vessels associated with beta-amyloid plaques in an Alzheimer mouse model." in: **Neurobiology of aging**, (2015) ([PubMed](#)).

Liu, Peng, Long, Li, Ke, Fang: "Mutual effect between neuropeptides and inflammatory cytokines in neurogenic SMSCs of human temporomandibular joint." in: **Journal of Huazhong University of Science and Technology. Medical sciences = Hua zhong ke ji da xue xue bao. Yi xue Ying De wen ban = Huazhong keji daxue xuebao. Yixue Yingdewen ban**, Vol. 34, Issue 4, pp. 602-7, (2014) ([PubMed](#)).

Tu, Li, Peng, Hu, Liu, Kong, Liu, Gao, Xu, Xu, Qiu, Fan, Zhu, Yu, Zheng, Wu, Peng, Song, Wu, Liang : "P2X(7) inhibition in stellate ganglia prevents the increased sympathoexcitatory reflex via sensory-sympathetic coupling induced by myocardial ischemic injury." in: **Brain research bulletin**, Vol. 96, pp. 71-85, (2013) ([PubMed](#)).

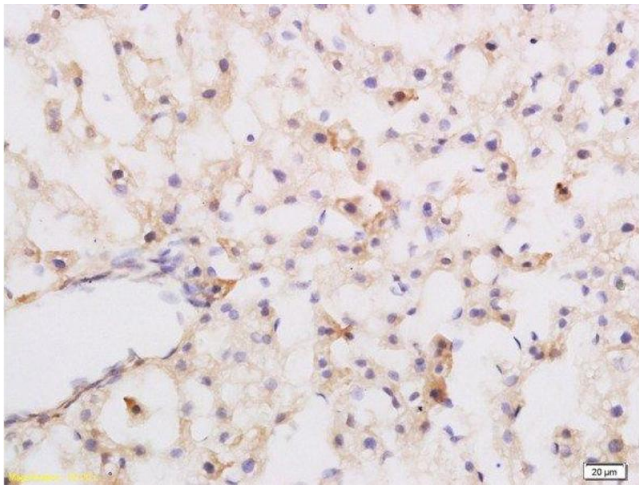
Liu, Li, Peng, Tu, Kong, Liu, Gao, Xu, Qiu, Fan, Zhu, Yu, Zheng, Wu, Peng, Song, Wu, Li, Liang: "Sensory-sympathetic coupling in superior cervical ganglia after myocardial ischemic injury facilitates sympathoexcitatory action via P2X7 receptor." in: **Purinergic signalling**, Vol. 9, Issue 3, pp. 463-79, (2013) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded rat liver tissue labeled with Rabbit Anti-Substance P Polyclonal Antibody at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat liver labeled with Rabbit Anti-Substance P Polyclonal Antibody at 1:200 followed by conjugation to the secondary antibody and DAB staining.