
Substance P Rabbit pAb

Catalog Number: bs-0065R

Target Protein: Substance P

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg/Test), ICC/IF (1:100)

Reactivity: Human, Mouse, Rat, GuineaPig (predicted:Rabbit, Pig, Sheep, Cow, Horse)

Predicted MW: 1.4/13 kDa

Subcellular: Secreted

Locations:

Entrez Gene: 6863

Swiss Prot: P20366

Source: KLH conjugated synthetic peptide derived from human Substance P (RPKPQQFFGLM):
58-68/129.

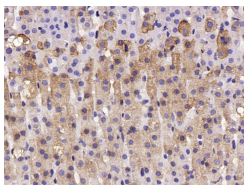
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

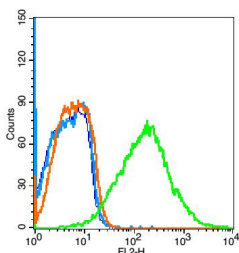
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] This antibody is cross-reactive with Neurokinin B.

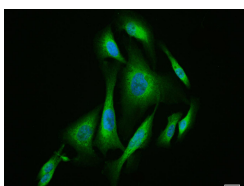
VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Substance P) Polyclonal Antibody, Unconjugated (bs-0065R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: Mouse brain cells (blue). Primary Antibody: Rabbit Anti- Substance P antibody(bs-0065R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min). Primary antibody (bs-0065R, 1µg /1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.



U-2OS cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Substance P) polyclonal Antibody, Unconjugated (bs-0065R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.81] Shengyan Xi. et al. The Ciji-Hua' ai-Baosheng II Formula Attenuates Chemotherapy-Induced Anorexia in Mice With H22 Hepatocellular Carcinoma. *Front Pharmacol.* 2021; 12: 715824 IHC ; Mouse . 34489705

[IF=5.4] Qian Yu. et al. The beneficial effect of Sanhuang ointment and its active constituents on experimental hemorrhoids in rats. *J ETHNOPHARMACOL.* 2024 Jan;319:117173 IHC ; Rat . 37741471

[IF=5.195] Qian Yu. et al. Yuhong ointment ameliorates inflammatory responses and wound healing in scalded mice. *J ETHNOPHARMACOL.* 2023 Apr;306:116118 IHC ; Mouse . 36642153

[IF=4.85] Daschil, Nina, et al. "L-Type calcium channel blockers and substance P induce angiogenesis of cortical vessels associated with beta-amyloid plaques in an Alzheimer mouse model." *Neurobiology of Aging* (2015). IHC ; ="Mouse" . 25619662

[IF=4.048] Jungen C et al. Increased arrhythmia susceptibility in type 2 diabetic mice related to dysregulation of ventricular sympathetic innervation. *Am J Physiol Heart Circ Physiol.* 2019 Oct 18. WB ; Mouse . 31625779