

**bs-0065R****[ Primary Antibody ]****Substance P Rabbit pAb****Bioss**  
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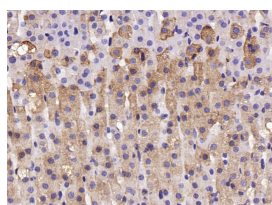
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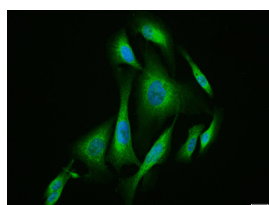
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 6863**SWISS:** P20366**Target:** Substance P**Immunogen:** KLH conjugated synthetic peptide derived from human Substance P (RPKPQQFFGLM): 58-68/129.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

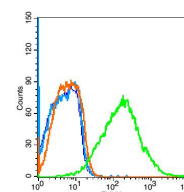
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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 active with Neurokinin B.**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  
(predicted: Rabbit, Pig, Sheep, Cow, GuineaPig, Horse)**Predicted MW.:** 1.4/13 kDa**Subcellular Location:** Secreted**— 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.



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.



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 /1x10<sup>6</sup> 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.

**— SELECTED CITATIONS —**

- **[IF=5.81]** Shengyan Xi. et al. The Ciji-Hua' ai-Baosheng II Formula Attenuates Chemotherapy-Induced Anorexia in Mice

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- 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=4.3]** Masakazu Agetsuma. et al. Minimally invasive, wide-field two-photon imaging of the brainstem at cellular resolution. *Cell Reports Methods.* 2025 Apr;5: IHC ;Mouse. 40187350