

bs-0672R**[Primary Antibody]**

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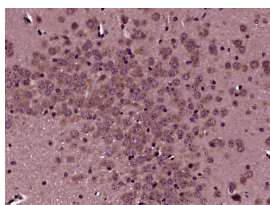
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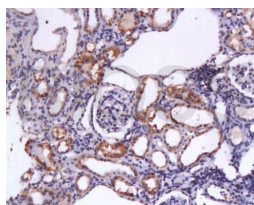
400-901-9800

KIT Rabbit pAb**— DATASHEET —**

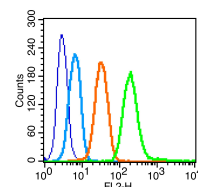
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1µg/Test) Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Horse) Predicted MW.: 105 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Polyclonal		
GeneID: 3815	SWISS: P10721	
Target: KIT		
Immunogen: KLH conjugated synthetic peptide derived from human KIT: 901-976/976. < Cytoplasmic >		
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: c-Kit is a transmembrane tyrosine kinase encoded by the cKit proto oncogene. c-Kit acts to regulate a variety of biological responses including cell proliferation, apoptosis, chemotaxis and adhesion. Ligand binding to the extracellular domain leads to autophosphorylation on several tyrosine residues within the cytoplasmic domain, and activation. Mutations in c-Kit have been found to be important for tumor growth and progression in a variety of cancers including mast cell diseases, gastrointestinal stromal tumor, acute myeloid leukemia, Ewing sarcoma and lung cancer. Phosphorylation at tyrosine 721 of c-Kit allows binding and activation of PI3 kinase.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (c-Kit) Polyclonal Antibody, Unconjugated (bs-0672R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-CD117/c-kit/SCFR Polyclonal Antibody, Unconjugated (bs-0672R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Blank control (blue line): K562 (blue). Primary Antibody (green line): Rabbit Anti-c-Kit antibody (bs-0672R) Dilution: 1µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 70% ethanol (overnight at 4°C) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=5.546]** Huang Z et al. The impact of acute stress disorder on gallbladder interstitial cells of Cajal. J Cell Physiol .

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

2020 Apr 24. WB,IF ;rabbit. 32329051

- **[IF=6.208]** Baohui Yao. et al. Reproductive Suppression Caused by Spermatogenic Arrest: Transcriptomic Evidence from a Non-Social Animal. INT J MOL SCI. 2023 Jan;24(5):4611 IHC ;Zokor. 36902039
- **[IF=4.556]** Gaia Palmini. et al. Analysis of a Preliminary microRNA Expression Signature in a Human Telangiectatic Osteogenic Sarcoma Cancer Cell Line. Int J Mol Sci. 2021 Jan;22(3):1163 IF ;Human. 33503899
- **[IF=5.411]** Jiyuan Piao. et al. Substance P blocks β -aminopropionitrile-induced aortic injury through modulation of M2 monocyte-skewed monocytopoiesis. Transl Res. 2021 Feb;228:76 IHC ;Rat. 32835906
- **[IF=3.923]** Ramirez-Garcia-Luna JL et al. Defective bone repair in diclofenac treated C57Bl6 mice with and without lipopolysaccharide induced systemic inflammation.(2018)J. Cell. Physiol. Sep 07 IHC ;Mouse. 30191966