

bs-20717R**[Primary Antibody]****c-Kit/CD117 Rabbit pAb****BioSS**
ANTIBODIES

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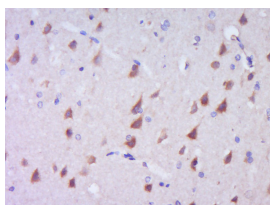
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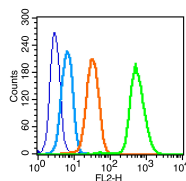
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 3815 Target: c-Kit/CD117 Immunogen: KLH conjugated synthetic peptide derived from human c-Kit/CD117: 301-400/976. < Extracellular > 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.	Isotype: IgG SWISS: P10721	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1ug/Test) Reactivity: Human, Rat (predicted: Mouse, Dog, Horse) Predicted MW.: 105 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Rat 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/CD117) Polyclonal Antibody, Unconjugated (bs-20717R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (blue line): K562 (fixed with 70% ethanol (overnight at 4°C) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature). Primary Antibody (green line): Rabbit Anti-c-Kit antibody (bs-20717R), Dilution: 0.2µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1µg / test.

— SELECTED CITATIONS —

- **[IF=8.4]** Qiao Yue-Long. et al. Allergen-induced CD11c + dendritic cell pyroptosis aggravates allergic rhinitis. CELL COMMUN SIGNAL. 2023 Dec;21(1):1-18 IF ;Mouse. 37817225
- **[IF=2.65]** Tang Songxi. et al. Silencing CAMK2D Promotes the Proliferation of Spermatogonia in the Testis of Experimental Varicocele Rats. EVID-BASED COMPL ALT. 2022;2022:7121245 IF ;Rat. 35911132
- **[IF=2.3]** Xue Wu. et al. Toll-like receptor 4 damages the intestinal epithelial cells by activating endoplasmic reticulum

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

