

bs-10005R**[Primary Antibody]****c-Kit Rabbit pAb****Bioss**
ANTIBODIES

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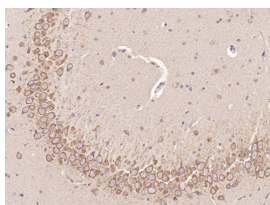
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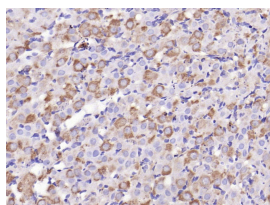
400-901-9800

— DATASHEET —

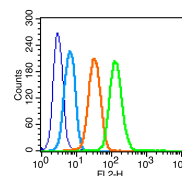
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 3815	SWISS: P10721	IF (1:100-500)
Target: c-Kit		Flow-Cyt (1µg/Test)
Immunogen: KLH conjugated synthetic peptide derived from human CD117: 350-440/976. < Extracellular >		Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Horse)
Purification: affinity purified by Protein A		Predicted MW.: 105 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane ,Cytoplasm
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 (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (c-Kit) Polyclonal Antibody, Unconjugated (bs-10005R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat ovary); 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-10005R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control(blue): K562 (fixed with 2% paraformaldehyde for 10 min at 37°C). Primary Antibody: Rabbit Anti-c-Kit antibody (bs-10005R, Green); 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-FITC (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

— SELECTED CITATIONS —

- **[IF=27.4]** Myung Chul Lee. et al. Synergistic effect of Hypoxic Conditioning and Cell-Tethering Colloidal Gels enhanced Productivity of MSC Paracrine Factors and Accelerated Vessel Regeneration. ADV MATER. 2024 Oct.;2408488 IF ;Human. 39380372
- **[IF=16.6]** Liu Xinfeng. et al. Evolutionary origin of genomic structural variations in domestic yaks. NAT COMMUN. 2023 Sep;14(1):1-14 IHC ;Yak. 37726270

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

- **[IF=11.3]** Li Ma. et al. Prenatal PM2.5 exposure affects embryonic hematopoietic development through SOX2-regulated gene expression. J HAZARD MATER. 2025 Jan;;137193 IF ;Human. 39842112
- **[IF=5.6]** Kuang-Shun Chueh. et al. Low-Intensity Extracorporeal Shock Wave Therapy Ameliorates Detrusor Hyperactivity with Impaired Contractility via Transient Potential Vanilloid Channels: A Rat Model for Ovarian Hormone Deficiency. INT J MOL SCI. 2024 Jan;25(9):4927 WB ;Rat. 38732143
- **[IF=6.081]** Qianyu Cheng. et al. Establishing and characterizing human stem cells from the apical papilla immortalized by hTERT gene transfer. FRONT CELL DEV BIOL. 2023; 11: 1158936 ICC ;Human. 37283947