

**bsm-52036R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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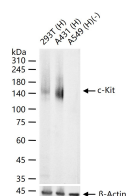
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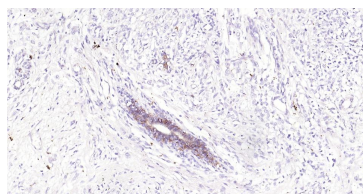
400-901-9800

**c-Kit Recombinant Rabbit mAb****— DATASHEET —**

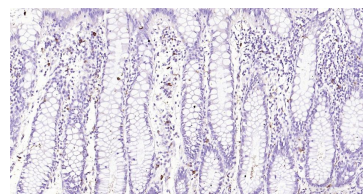
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:1000-2000) <b>IHC-P</b> (1:200-1000) <b>IHC-F</b> (1:200-1000) <b>IF</b> (1:200-1000)  <b>Reactivity:</b> Human   <b>Predicted MW.:</b> 105 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Clonality:</b> Recombinant	<b>CloneNo.:</b> 7C8	
<b>GeneID:</b> 3815	<b>SWISS:</b> P10721	
<b>Target:</b> c-Kit		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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 —**

25 ug total protein per lane of various lysates (see on figure) probed with c-Kit monoclonal antibody, unconjugated (bsm-52036R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with c- Kit Monoclonal Antibody, Unconjugated(bsm-52036R) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with c- Kit Monoclonal Antibody, Unconjugated(bsm-52036R) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

**— SELECTED CITATIONS —**

- **[IF=5.195]** Di Zhang. et al. Effects of Banxia Xiexin Decoction on apoptosis of interstitial cells of Cajal via regulation of MiR-451-5p: An in vivo and in vitro study. J ETHNOPHARMACOL. 2023 Oct;314:116606 WB ;Rat. 37192721
- **[IF=5.4]** Cuiping Xu. et al. Comparison of the components of fresh Panax notoginseng processed by different methods and their anti-anemia effects on cyclophosphamide-treated mice. J ETHNOPHARMACOL. 2024 Apr;118148 IF ;Mouse. 38583734
- **[IF=4.7]** Lei Wu. et al. Naringenin Promotes Gastrointestinal Motility in Mice by Impacting the SCF/c-Kit Pathway and Gut Microbiota. FOODS. 2024 Jan;13(16):2520 WB ;Mouse. 39200447
- **[IF=2.089]** Huan He. et al. BDE-209 disturbed proliferation and differentiation of spermatogonia during mitotic process through estrogen receptor  $\alpha$ . REPROD BIOL. 2023 Jun;23:100737 WB,IF ;Rat. 36821943

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