

c-Kit Recombinant Rabbit mAb

Catalog Number: bsm-52036R

Target Protein: c-Kit

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 7C8

Isotype: IgG

Applications: WB (1:500-1000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:50-200)

Reactivity: Human

Predicted MW: 105 kDa

Entrez Gene: 3815

Swiss Prot: P10721

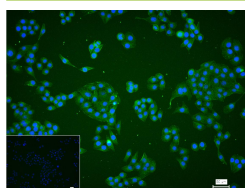
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

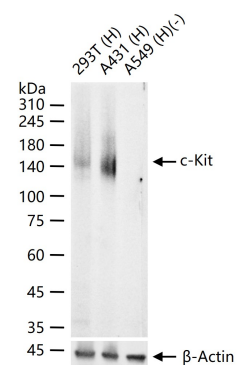
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

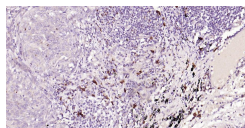
VALIDATION IMAGES



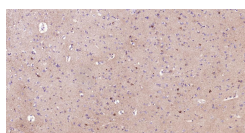
4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (c-Kit) monoclonal Antibody, unconjugated (bsm-52036R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



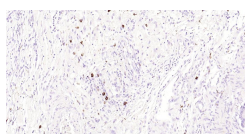
25 ug total protein per lane of various lysates (see on figure) probed with c-Kit monoclonal antibody, unconjugated (bsm-52036R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



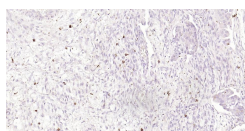
Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with c-Kit Monoclonal Antibody, Unconjugated(bsm-52036R) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB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



Paraformaldehyde-fixed, paraffin embedded Human Glioma; 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 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 Ovarian 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.

PRODUCT SPECIFIC PUBLICATIONS

[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 α . REPROD BIOL. 2023 Jun;23:100737 WB,IF ; Rat . 36821943