bs-0545R

[Primary Antibody]

SCF Rabbit pAb

ΑΝΤΙΒΟ

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- DATASHE	т		400-90
	Rabbit	Isotype: IgG	Applications:
Clonality	Polyclonal		
GenelD	4254	SWISS: P21583	
Target	SCF		
Purification: affinity purified by Protein A			Reactivity:
Concentration	: 1mg/ml		
-	Glycerol. Shipped at 4°C. Store at -20° freeze/thaw cycles.	3SA, 0.02% Proclin300 and 50% C for one year. Avoid repeated	Predicted MW.:
Background	(SLF) and mast cell growth fa with broad activities on varie cells, pigment cells, and prin endothelial cells, fibroblasts membrane-bound form whi soluble form. Both forms are from murine bone marrow c effective in promoting hema cellular interactions betwee soluble form is thought to ex- linked dimer. SCF is structur Flt-3/Flk-2 Ligand (FL) with a existence of transmembrane cysteines, and alternative sp little sequence homology. St stimulating factor. However such as EPO, TPO, GM-CSF, C potent costimulant that wor of myeloid, erythroid or lym	known as c-Kit ligand (KL), steel factor actor (MGF), is a 30 kDa glycoprotein bus tissues, including hematopoietic nordial germ cells. SCF is secreted by , and bone marrow stromal cells as a ch may be cleaved to release the e active in promoting colony formation ells, but membrane-bound SCF is more topoieses in vivo, suggesting a role in n hematopoietic and stromal cells. The kist in solution as a noncovalently ally related to M-CSF (CSF-1) and Ill three sharing a similar size, e and soluble forms, four conserved dicing exon locations, but they share CF alone is a modest colony , in the presence of other cytokines G-CSF, M-CSF, IL-3, and IL-7, SCF is a ks synergistically to increase the size phoid lineage colonies without rentiation of the progenitors.	Subcellular Location:

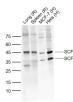
WB (1:500-2000) **IHC-P** (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500) Flow-Cyt (lug/Test)

Human, Mouse, Rat (predicted: Goat)

31 kDa

r Secreted ,Cell membrane Cytoplasm,

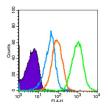
- VALIDATION IMAGES



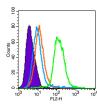
Sample: Lane 1: Lung (Rat) Lysate at 40 ug Lane 2: Spleen (Rat) Lysate at 40 ug Lane 3: MCF-7 (Human) Cell Lysate at 30 ug Lane 4: Hela (Human) Cell Lysate at 30 ug Primary: Anti-SCF (bs-0545R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 45/35 kD



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 (SCF) Polyclonal Antibody, Unconjugated (bs-0545R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (Black line): Mouse spleen(Black). Primary Antibody (green line): Rabbit Anti-SCF antibody (bs-0545R) Dilution: 3µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 10,000 events was performed.



Blank control (Black line): U87MG (Black). Primary Antibody (green line): Rabbit Anti-SCF antibody (bs-0545R) Dilution: 1µg /10^6 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 4% PFA (10min at room temperature) and then were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

- SELECTED CITATIONS -

- [IF=5.572] Ozge Goktepe. et al. The effect of different doses of nonylphenol on the blood-testicular barrier integrity, hormone level, and DNA damage in the testes of rats. FOOD CHEM TOXICOL. 2023 Jul;177:113816 IHC ;Rat. 37164249
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- [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
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- [IF=4.5] Junnan Wu. et al. Aqueous extracts of Elsholtzia ciliata and Hovenia dulcis ameliorate loperamide-induced constipation in mice by promoting intestinal peristalsis and barrier function and the abundance of intestinal beneficial bacteria. FRONT MICROBIOL. 2025 May;16: IHC ;MOUSE. 40432966