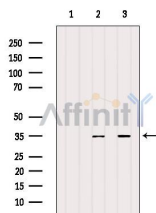


## SCF Ab

[Images\(1\)](#)

Cat.#: AF4113	Concn.: ~1mg/ml	Mol.Wt.: 25-38kd
Size:	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:1000 *The optimal dilutions should be determined by the end user.
Reactivity:	Human, Mouse, Monkey
Storage:	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Immunogen:	A synthesized peptide derived from human SCF, corresponding to a region within the internal amino acids.
Uniprot:	P21583
Description:	Ligand for the receptor-type protein-tyrosine kinase KIT. Plays an essential role in the regulation of cell survival and proliferation, hematopoiesis, stem cell maintenance, gametogenesis, mast cell development, migration and function, and in melanogenesis. KITLG/SCF binding can activate several signaling pathways. Promotes phosphorylation of PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase, and subsequent activation of the kinase AKT1. KITLG/SCF and KIT also transmit signals via GRB2 and activation of RAS, RAF1 and the MAP kinases MAPK1/ERK2 and/or MAPK3/ERK1. KITLG/SCF and KIT promote activation of STAT family members STAT1, STAT3 and STAT5.



Western blot analysis of extracts from various samples, using SCF Ab.  
Lane 1: 3T3 treated with blocking peptide;  
Lane 2: 3T3;  
Lane 3: COS-7.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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