

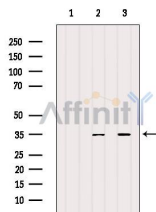
SCF Ab

Cat.#: AF4113
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 25-38kd
Clonality: Polyclonal

Application:	WB 1:500-1:1000
Reactivity:	Human,Mouse,Monkey
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	The Ab detects endogenous level of total SCF protein.
Immunogen:	Peptide sequence around aa.265~269(E-K-E-R-E) derived from Human SCF.
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. KITLG/SCF and KIT promote activation of PLCG1, leading to the production of the cellular signaling molecules diacylglycerol and inositol-1,4,5-trisphosphate. KITLG/SCF acts synergistically with other cytokines, probably interleukins.
Subcellular Location:	Secreted; Cell membrane and Cytoplasm. Cytoplasm, cytoskeleton. Cell membrane. Cell projection, lamellipodium. Cell projection, filopodium.
Tissue Specificity:	Acts in the early stages of hematopoiesis.
Similarity:	Belongs to the SCF family.
Storage Condition and Buffer:	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.



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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