

For Research Use Only

SCF Polyclonal antibody

Catalog Number: 26582-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

26582-1-AP

Size:

150ul, Concentration: 300 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25075

GenBank Accession Number:

BC074725

GeneID (NCBI):

4254

Full Name:

KIT ligand

Calculated MW:

273 aa, 31 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

FC, IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: PC-12 cells, NIH/3T3 cells, mouse colon tissue

IHC: human kidney tissue, human small intestine tissue, human colon tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Stem cell factor (SCF) also known as mast cell growth factor, steel factor, and kit ligand, is a hematopoietic growth factor. SCF is a critical protein with key roles in the cell such as hematopoiesis, gametogenesis and melanogenesis. SCF activates multiple signal pathways by binding with c-kit receptor. SCF and its receptor, c-kit ligand (KL), are up-regulated in particular human malignancies including gastrointestinal stromal tumor (GISTs), breast cancer, hematopoietic cell, myeloid leukaemia, and glioma. The SCF/c-KIT system also plays a relevant role in cell fate decision, and its activity is widely known to control cell proliferation, differentiation, survival and apoptosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Ichita Kinoshita	34884420	Int J Mol Sci	IHC
Zhaoyu Yang	32463597	Thorac Cancer	WB
Lu Ding	33973702	Chem Biodivers	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

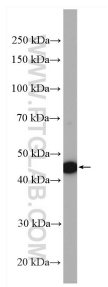
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

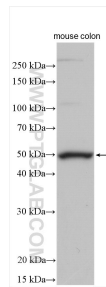
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

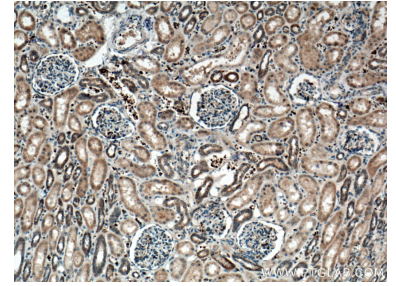
Selected Validation Data



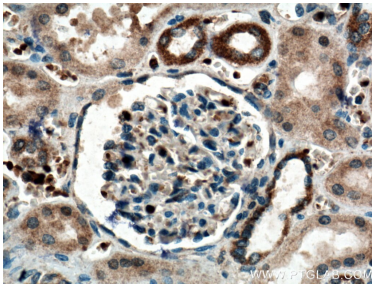
PC-12 cells were subjected to SDS PAGE followed by western blot with 26582-1-AP (SCF antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



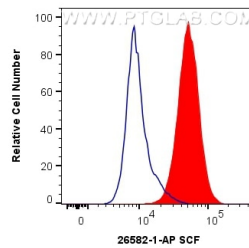
mouse colon tissue were subjected to SDS PAGE followed by western blot with 26582-1-AP (SCF antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26582-1-AP (SCF antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26582-1-AP (SCF antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human SCF (26582-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).