

## Product Datasheet

### Anti-SCF/KITLG Antibody (orb402451)

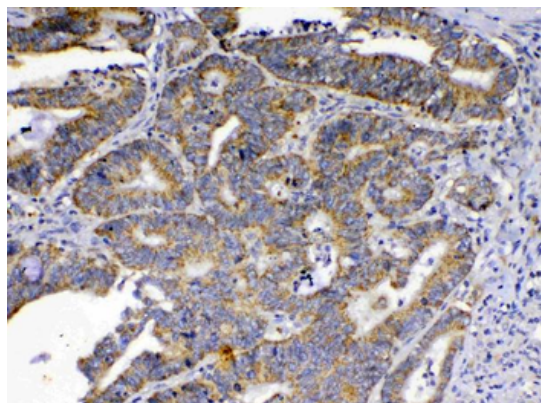
|                            |  |
|----------------------------|--|
| <b>Description</b>         | Anti-SCF/KITLG Antibody. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.  |
| <b>Species/Host</b>        | Rabbit   |
| <b>Reactivity</b>          | Human, Mouse, Rat  |
| <b>Conjugation</b>         | Unconjugated   |
| <b>Tested Applications</b> | IHC, WB  |
| <b>Immunogen</b>           | E. coli-derived human SCF recombinant protein (Position: E26-A190).  |
| <b>Form/Appearance</b>     | Lyophilized  |
| <b>Concentration</b>       | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.  |
| <b>Storage</b>             | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                      |
| <b>Note</b>                | For research use only  |
| <b>Application notes</b>   | Western blot, 0.1-0.5µg/ml Immunohistochemistry (Paraffin-embedded Section), 0.5-1µg/ml. Add 0.2ml of distilled water will yield a concentration of 500ug/ml |
| <b>Isotype</b>             | Rabbit IgG   |
| <b>Clonality</b>           | Polyclonal   |
| <b>Antibody Type</b>       | Primary Antibody   |
| <b>MW</b>                  | 37 kDa   |
| <b>Uniprot ID</b>          | <b>P21583</b>  |
| <b>Expiration Date</b>     | 12 months from date of receipt.  |

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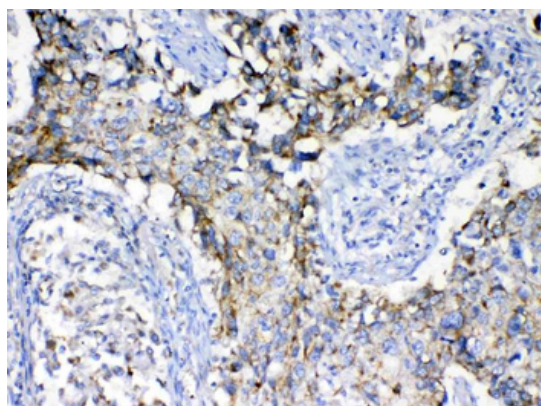
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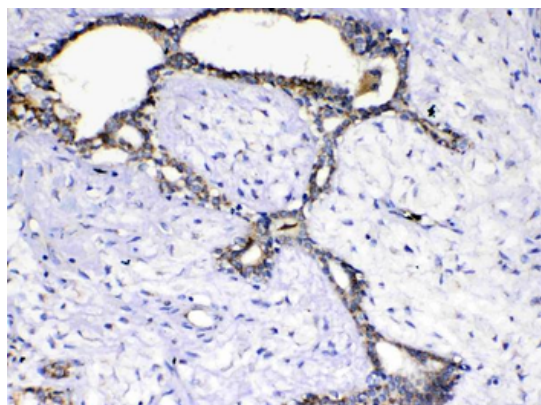
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IHC analysis of SCF using anti-SCF antibody. SCF was detected in paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 ug/ml rabbit anti-SCF Antibody overnight at 4 Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of SCF using anti-SCF antibody. SCF was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 ug/ml rabbit anti-SCF Antibody overnight at 4 Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



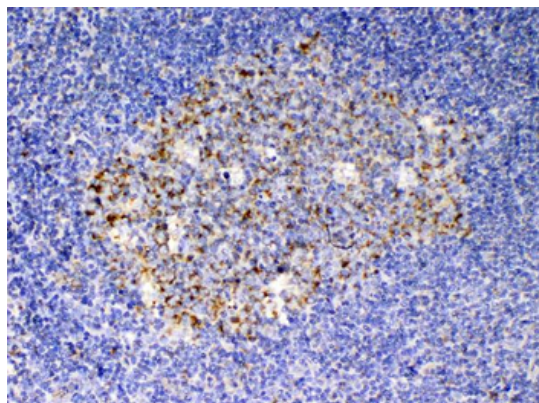
IHC analysis of SCF using anti-SCF antibody. SCF was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 ug/ml rabbit anti-SCF Antibody overnight at 4 Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

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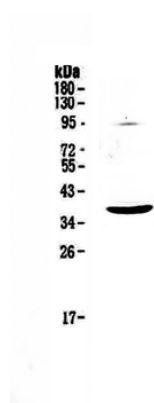
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IHC analysis of SCF using anti-SCF antibody. SCF was detected in paraffin-embedded section of human tonsil. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 ug/ml rabbit anti-SCF Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



Western blot analysis of SCF using anti-SCF antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 ug of sample under reducing conditions. Lane 1: mouse HEPA1-6 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SCF antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4°C then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SCF at approximately 37KD. The expected band size for SCF is at 31KD.

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