

Anti-KITLG / SCF Antibody
Goat Anti Human Polyclonal Antibody
Catalog # ALS17781**Specification**

Anti-KITLG / SCF Antibody - Product Information

Application	WB, IHC-P, E, Neut
Primary Accession	P21583
Predicted	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	30899

Anti-KITLG / SCF Antibody - Additional Information**Gene ID** 4254**Alias Symbol** **KITLG****Other Names**

KITLG, C-Kit ligand, KIT ligand, Kitl, KL-1, SHEP7, SF, Steel factor, Stem cell factor, SCF, FPH2, Mast cell growth factor, MGF

Target/Specificity

Human SCF

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-KITLG / SCF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-KITLG / SCF Antibody - Protein Information**Name** KITLG ([HGNC:6343](#))**Synonyms** MGF, SCF**Function**

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.

Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Soluble KIT ligand]: Secreted.

Anti-KITLG / SCF Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-KITLG / SCF Antibody - Images