



Rabbit Anti-Human KITLG monoclonal antibody, clone TD72-17 (CABT-L714)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	SCF
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TD72-17
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Molecular Weight	37 kDa
Cellular Localization	Cytoplasm, Cell membrane, Secreted.
Positive Control	Raji, 293, PANC-1, HepG2, human kidney tissue, human colon cancer tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	Stem cell factor (SCF) is the ligand for the transmembrane tyrosine kinase receptor proto-oncogene c-Kit. SCF, also designated KL, MGF and SLF, is a pleiotropic cytokine that has two alternatively spliced forms, 248 and 220 amino acids in length in human and mouse systems, respectively. Both the larger form and the smaller form are cleaved to produce soluble forms. The smaller splice variant lacks the proteolytic cleavage site, between amino acids 149 and 177 of the larger SCF form. The larger form of SCF is expressed in fibroblasts, brain and thymus, while the smaller form is found in spleen, testis, placenta and cerebellum. The SCF ligand is essential for the development of germ cells, hematopoietic progenitor cells and melanocyte precursors. SCF can stimulate the proliferation of mature mast cells as well as the maturation and proliferation of immature mast cells.
Keywords	C kit ligand;C-kit ligand;Ckit ligand;DCUA;DFNA69;DKFZp686F2250;familial progressive hyperpigmentation 2;FPH2;FPHH;KIT ligand;Kitl;KITLG;KL 1;KL1;Mast cell growth factor;MGF;MGF stem cell factor;SCF;SCF_HUMAN;SF;SHEP7;sKITLG;Soluble KIT ligand;Steel factor;steel, mouse, homolog of;Stem cell factor;Stem cell factor precursor antibody

GENE INFORMATION

Entrez Gene ID	4254
UniProt ID	A0A024RBC0
