

KITLG Antibody (C-term)

Catalog_no :	AB3257
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	This KITLG antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 201-234 amino acids from the C-terminal region of human KITLG.
Dilution :	WB,1:1000;WB,1:2000;
Other_name :	Kit ligand, Mast cell growth factor, MGF, Stem cell factor, SCF, c-Kit ligand, Soluble KIT ligand, sKITLG, KITLG, MGF, SCF
Isotype :	Rabbit Ig
Background :	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.
reference :	Martin F.H.,et al.Cell 63:203-211(1990). Anderson D.M.,et al.Cell Growth Differ. 2:373-378(1991). Blair H.C.,et al.Biochem. Biophys. Res. Commun. 255:778-784(1999). Han C.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Na