

Datasheet for ABIN7157685

anti-KIT Ligand antibody (AA 26-214)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	KIT Ligand (KITLG)
Binding Specificity:	AA 26-214
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIT Ligand antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human Kit ligand protein (26-214AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	KIT Ligand (KITLG)
Alternative Name:	KITLG (KITLG Products)
Background:	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,

Target Details

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.

Aliases: C kit ligand antibody, C-kit ligand antibody, Ckit ligand antibody, DCUA antibody, DFNA69 antibody, DKFZp686F2250 antibody, familial progressive hyperpigmentation 2 antibody, FPH2 antibody, FPHH antibody, KIT ligand antibody, Kitl antibody, KITLG antibody, KL 1 antibody, KL1 antibody, Mast cell growth factor antibody, MGF antibody, MGF stem cell factor antibody, SCF antibody, SCF_HUMAN antibody, SF antibody, SHEP7 antibody, sKITLG antibody, Soluble KIT ligand antibody, Steel factor antibody, steel, mouse, homolog of antibody, Stem cell factor antibody, Stem cell factor precursor antibody

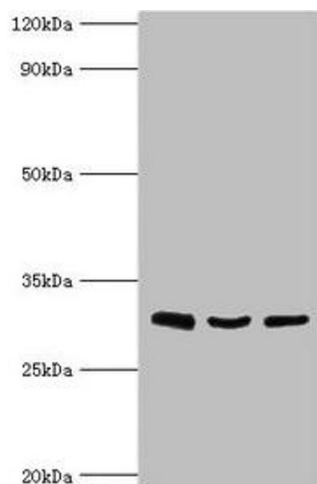
UniProt:	P21583
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:2000,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot All lanes: Kit ligand antibody at 4 μ g/mL Lane 1: HepG2 whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: Hela whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 31, 28, 27 kDa Observed band size: 31 kDa