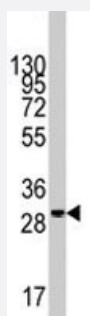


KITLG polyclonal antibody

Catalog # PAB1884

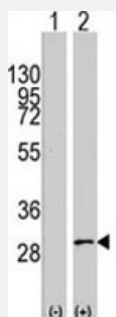
Size 400 uL

Applications



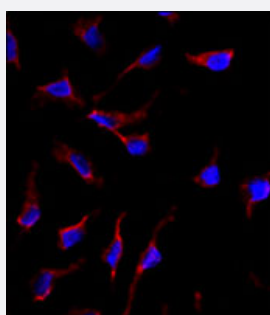
Western Blot (Cell lysate)

Western blot analysis of KITLG polyclonal antibody (Cat # PAB1884) in 293 cell line lysates (35 ug/lane). KITLG (arrow) was detected using the purified polyclonal antibody.



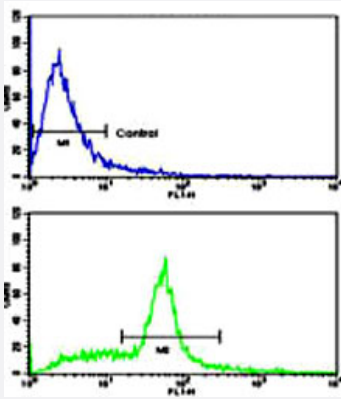
Western Blot (Transfected lysate)

Western blot analysis of KITLG (arrow) using KITLG polyclonal antibody (Cat # PAB1884). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the KITLG gene (Lane 2) (Origene Technologies).



Immunofluorescence

Immunofluorescence analysis of KITLG polyclonal antibody (Cat # PAB1884) in HeLa cells. Primary antibody was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit IgG (H+L). Alexa-Fluor-546 emits orange fluorescence. Blue counterstaining is DAPI.



Flow Cytometry

Flow cytometric analysis of WiDr cells using KITLG polyclonal antibody (Cat # PAB1884)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of KITLG.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human KITLG.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) Immunofluorescence (1:10-50) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

● Western Blot (Cell lysate)

Western blot analysis of KITLG polyclonal antibody (Cat # PAB1884) in 293 cell line lysates (35 ug/lane). KITLG (arrow) was detected using the purified polyclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of KITLG (arrow) using KITLG polyclonal antibody (Cat # PAB1884). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the KITLG gene (Lane 2) (Origene Technologies).

- Immunofluorescence

Immunofluorescence analysis of KITLG polyclonal antibody (Cat # PAB1884) in HeLa cells. Primary antibody was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit IgG (H+L). Alexa-Fluor-546 emits orange fluorescence. Blue counterstaining is DAPI.

- Flow Cytometry

Flow cytometric analysis of WiDr cells using KITLG polyclonal antibody (Cat # PAB1884)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Gene Info — KITLG

Entrez GeneID [4254](#)

Protein Accession# [NP_000890;P21583](#)

Gene Name KITLG

Gene Alias DKFZp686F2250, KL-1, Kitl, MGF, SCF, SF, SHEP7

Gene Description KIT ligand

Omim ID [184745](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the ligand of the tyrosine-kinase receptor encoded by the KIT locus. This ligand is a pleiotropic factor that acts in utero in germ cell and neural cell development, and hematopoiesis, all believed to reflect a role in cell migration. In adults, it functions pleiotropically, while mostly noted for its continued requirement in hematopoiesis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations mast cell growth factor|steel factor|stem cell factor

Publication Reference

- [Early myeloid cells expressing c-KIT isoforms differ in signal transduction, survival and chemotactic responses to Stem Cell Factor.](#)

Young SM, Cambareri AC, Odell A, Geary SM, Ashman LK.

Cellular Signalling 2007 Dec; 19(12):2572.

- [Differentiation of human embryonic stem cells in serum-free medium reveals distinct roles for bone morphogenetic protein 4, vascular endothelial growth factor, stem cell factor, and fibroblast growth factor 2 in hematopoiesis.](#)

Pick M, Azzola L, Mossman A, Stanley EG, Elefanty AG.

Stem Cells 2007 Jun; 25(9):2206.

- [Stem cell factor/c-kit receptor signaling enhances the proliferation and invasion of colorectal cancer cells through the PI3K/Akt pathway.](#)

Yasuda A, Sawai H, Takahashi H, Ochi N, Matsuo Y, Funahashi H, Sato M, Okada Y, Takeyama H, Manabe T.

Digestive Diseases and Sciences 2007 Sep; 52(9):2292.

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)

Disease

- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Infertility](#)
- [Neoplasms](#)
- [Testicular Neoplasms](#)
- [Vitiligo](#)