

Datasheet for ABIN542849
anti-KIT Ligand antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	KIT Ligand (KITLG)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIT Ligand antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of KITLG.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human KITLG.
Cross-Reactivity:	Human

Target Details

Target:	KIT Ligand (KITLG)
Alternative Name:	KITLG / SCF (KITLG Products)
Gene ID:	4254
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Application Notes:	Western Blot (1:1000) Immunofluorescence (1:10-50) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
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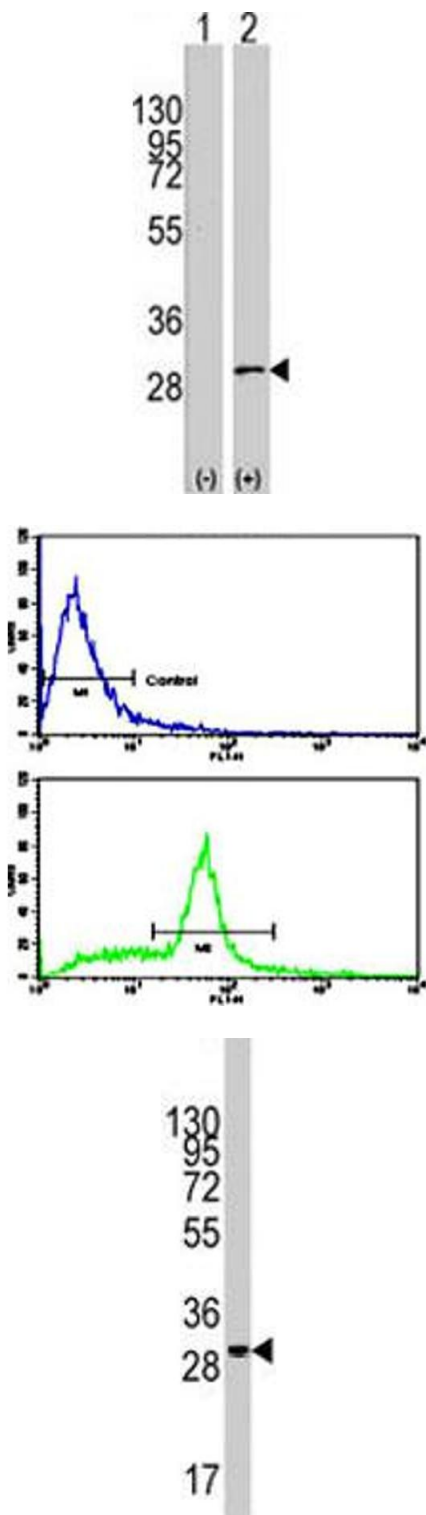
Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	In PBS (0.09 % sodium azide)
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:	4 °C, -20 °C
Storage Comment:	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	<p>Yasuda, Sawai, Takahashi, Ochi, Matsuo, Funahashi, Sato, Okada, Takeyama, Manabe: "Stem cell factor/c-kit receptor signaling enhances the proliferation and invasion of colorectal cancer cells through the PI3K/Akt pathway." in: Digestive diseases and sciences, Vol. 52, Issue 9, pp. 2292-300, (2007) (PubMed).</p> <p>Pick, Azzola, Mossman, Stanley, Elefanty et al.: "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 ..." in: Stem cells (Dayton, Ohio), Vol. 25, Issue 9, pp. 2206-14, (2007) (PubMed).</p> <p>Young, Cambareri, Odell, Geary, Ashman: "Early myeloid cells expressing c-KIT isoforms differ in signal transduction, survival and chemotactic responses to Stem Cell Factor." in: Cellular signalling, Vol. 19, Issue 12, pp. 2572-81, (2007) (PubMed).</p>
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Western Blotting

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

Flow Cytometry

Image 2. Flow cytometric analysis of WiDr cells using KITLG polyclonal antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 3. Western blot analysis of KITLG polyclonal antibody in 293 cell line lysates (35 ug/lane). KITLG (arrow) was detected using the purified polyclonal antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN542849.