

Anti-Flt-3ligand Antibody
Catalog # ABO12274**Specification**

Anti-Flt-3ligand Antibody - Product Information

Application	WB
Primary Accession	P49771
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Fms-related tyrosine kinase 3 ligand (FLT3LG) detection. Tested with WB in Human;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Flt-3ligand Antibody - Additional Information

Gene ID 2323

Other Names

Fms-related tyrosine kinase 3 ligand, Flt3 ligand, Flt3L, SL cytokine, FLT3LG

Calculated MW

26416 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

Isoform 1: Cell membrane; Single-pass type I membrane protein.

Protein Name

Fms-related tyrosine kinase 3 ligand

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human Flt-3ligand (79-110aa AQRWMERLKTIVAGSKMQGLLERVNTIHFVTK), different from the related mouse sequence by four amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-Flt-3ligand Antibody - Protein Information

Name FLT3LG

Function

Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins. Required for the development of B cells, and dendritic cells (DCs).

Cellular Location

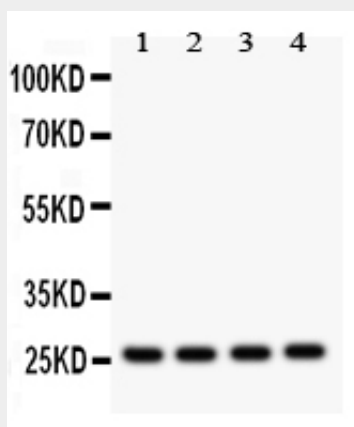
[Isoform 1]: Cell membrane; Single-pass type I membrane protein

Anti-Flt-3ligand Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Flt-3ligand Antibody - Images



Anti- Flt-3ligand Picoband antibody, ABO12274, Western blotting All lanes: Anti Flt-3ligand (ABO12274) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 50ug
Lane 2: Rat Spleen Tissue Lysate at 50ug
Lane 3: Rat Kidney Tissue Lysate at 50ug
Lane 4: SMMC Whole Cell Lysate at 40ug
Predicted bind size: 26KD
Observed bind size: 26KD

Anti-Flt-3ligand Antibody - Background

FLT3LG (FMS-Related Tyrosine Kinase 3 Ligand) also called FLT3 LIGAND, FL or FLT3L, is a protein which in humans is encoded by the FLT3LG gene. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8-positive classical DCs and their CD103-positive tissue counterparts. Flt3 ligand (FL) is a hematopoietic four helical bundle cytokine. It is structurally homologous to stem cell factor (SCF) and colony stimulating factor 1 (CSF-1). In synergy with other growth factors, Flt3 ligand stimulates the proliferation and differentiation of various blood cell progenitors. Lyman et al. (1993) found that Flt3 ligand stimulated proliferation of hematopoietic progenitor cells isolated from mouse fetal liver or adult mouse bone marrow. Hannum et al. (1994) concluded that FL enhances the response of stem and primitive progenitor cells to other growth factors to generate all myeloid lineages except erythroid cells. Assays of C-terminally truncated FL proteins confirmed that the N-terminal half conferred FL activity. Depletion of the PI3K -Mtor negative regulator Pten facilitated Flt3L-driven DC development in culture.