

AP20420PU-N**Polyclonal Antibody to Flt3 ligand - Aff - Purified****Alternate names:**

FLT3LG, Flt3L, SL cytokine, fms-related tyrosine kinase 3 ligand

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

Flt 3 ligand (Flt 3-L), variously designated Flt 3/Flk 2 ligand or FL, is a 17 kDa hematopoietic growth factor that stimulates the proliferation of stem and CD34+ progenitor cells and has been cloned from both mouse and human genomes. Flt 3-L is a potent in vitro growth stimulator of granulocytemacrophage colony-stimulating factor (GM-CSF), interleukin-3 (IL-3), and G-CSF-dependent granulocyte-macrophage committed precursors from Lin CD34+ bone marrow cells as well as other primitive B cell populations. Additionally, Flt 3-L stimulates the proliferation of hematopoietic progenitor cells isolated from mouse fetal liver or adult mouse bone marrow. Flt 3-L does not, however, affect the growth of erythroid-committed progenitors. A Flt-3 ligand exists in two forms and is active as both a soluble and as a membrane-bound ligand. The Flt 3-L receptor, Flt 3, is a tyrosine kinase expressed on CD34+ cells that shares a high degree of homology with the SCF (stem cell factor) receptor, c-Kit and c-Fms.

Uniprot ID:[P49771](#)**NCBI:**[NP_001450](#)**GeneID:**[2323](#)**Host:**

Rabbit

Immunogen:

Synthetic peptide, corresponding to amino acids 180-230 of Human Flt3-L.

Format:**State:** Liquid purified Ig fraction (> 95% pure by SDS-PAGE)**Purification:** Affinity Chromatography using epitope-specific immunogen**Buffer System:** Phosphate buffered saline (PBS), pH~7.2**Preservatives:** 0.05% Sodium Azide**Applications:****Western blot:** 1/500-1/1000.**Immunohistochemistry on Paraffin Sections:** 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight:

~26 kDa

Specificity:This antibody detects endogenous levels of Flt3-L protein.
(region surrounding His206)**Species Reactivity:****Tested:** Human, Mouse, Rat.**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

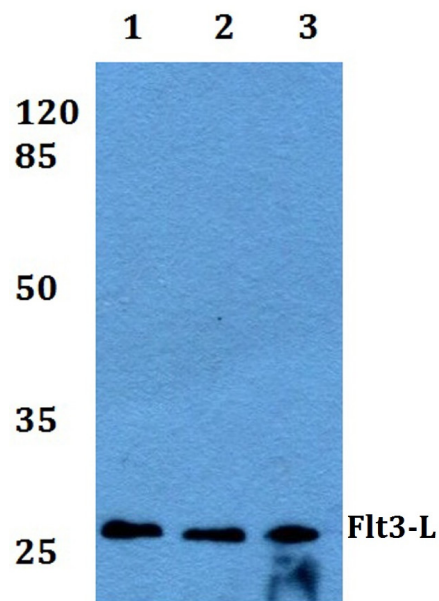
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Western blot analysis of Flt3-L antibody (Cat.-No. AP20420PU-N) at 1/500 dilution:

Lane 1: Hela whole cell lysate.
Lane 2: Raw264.7 whole cell lysate.
Lane 3: PC12 whole cell lysate.



Western blot (WB) analysis of Flt3-L antibody (Cat.-No. AP20420PU-N) at 1:500 dilution. Lane 1: CT26 whole cell lysate (40ug). Lane 2: C6 whole cell lysate (40ug). Lane 3: HepG2 whole cell lysate (40ug). Lane 4: K562 whole cell lysate (40ug). Lane 5: MCF-7 whole cell lysate (40ug).

