

FLT3(Ab-591) Antibody

Catalog No: #21187



Package Size: #21187-1 50ul #21187-2 100ul #21187-4 25ul

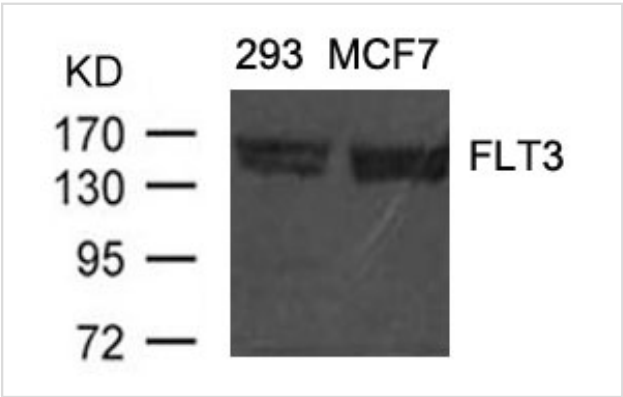
Overview

Product Name	FLT3(Ab-591) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IF
Species Reactivity	Hu
Immunogen Type	Peptide-KLH
Target Name	FLT3
Alternative Names	CD135; FLK-2; FLT-3; FLT3; STK-1

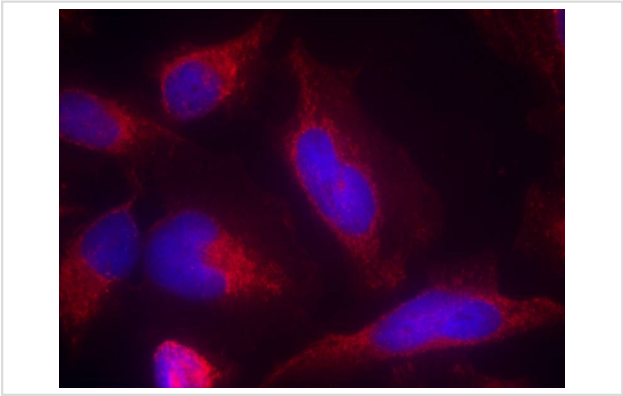
Application Details

Predicted MW: 130 160 kd
Western blotting: 1:500~1:1000
Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from 293 and MCF cells using FLT3(Ab-591) Antibody #21187.



Immunofluorescence staining of methanol-fixed HeLa cells using FLT3(Ab-591) Antibody #21187.

Descriptions

Immunogen	Peptide sequence around aa.589~593 (Y-F-Y-V-D) derived from Human FLT3.
Specificity	The antibody detects endogenous level of total FLT3 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P36888NCBI Protein: NP_004110.2

Related Information

FLT3 encodes a class III receptor tyrosine kinase that regulates hematopoiesis. The receptor consists of an extracellular domain composed of five immunoglobulin-like domains, one transmembrane region, and a cytoplasmic kinase domain split into two parts by a kinase-insert domain. The receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia.

Sekine S et.al. (2008) J Immunol. ;180(12):8126-34

Pratz K et.al. (2008) Leuk Lymphoma. 2008 ;49(5):852-63.

Al Shaer L et.al. (2008) Br J Haematol. 141(4):483-93.

Published Papers

Nana Ninagawa, Rumi Murakami, Eri Isobe et al., Versatile Immunosensor Using a Quantum Dot Coated Silica Nanosphere as a Label for Signal Amplification., Differentiation, 82(3):153-164(2011)

[PMID:20597496](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.