FLT3 Antibody

Catalog No: #36143

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

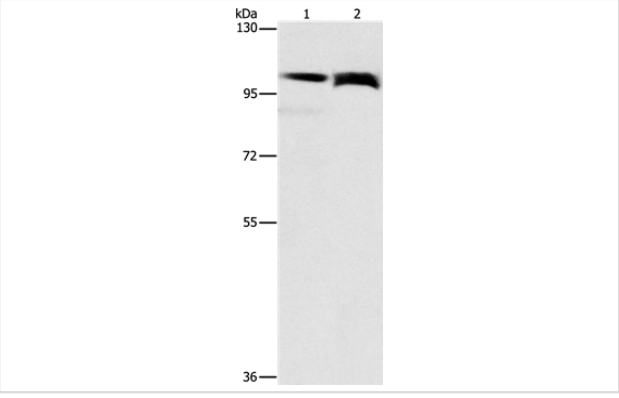
Product Name	FLT3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total FLT3 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human fms-related tyrosine kinase 3
Target Name	FLT3
Other Names	FLK2; STK1; CD135; FLK-2
Accession No.	Swiss-Prot#: P36888NCBI Gene ID: 2322Gene Accssion: BC126350
Uniprot	P36888
GeneID	2322;
SDS-PAGE MW	113kd
Concentration	1.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

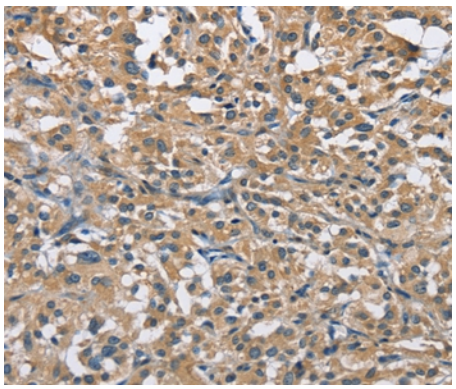
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

Images



Gel: 6%SDS-PAGE
Lysates (from left to right): Lovo and 231 cell
Amount of lysate: 40ug per lane
Primary antibody: 1/240 dilution
Secondary antibody dilution: 1/8000
Exposure time: 15 seconds



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #36143 at dilution 1/30.

Background

This gene 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.

Note: This product is for in vitro research use only