

Rabbit Anti-FLT3 Polyclonal Antibody

CPB-1079RH Rabbit(FLT3)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-FLT3 Polyclonal Antibody
Antigen Description	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.
specificity	The antibody detects endogenous level of total FLT3 protein.
Target	FLT3
Immunogen	Peptide sequence around aa. 589~593 (Y-F-Y-V-D) derived from Human FLT3.
Host	Rabbit
Species	Human
Cross Reactivity	Human
conjugation	N/A
Applications	IFA

PACKAGING

Format	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 /1 year

ANTIGEN GENE INFORMATION

Gene Name	FLT3 fms-related tyrosine kinase 3 [Homo sapiens]
Official Symbol	FLT3
Synonyms	FLT3; fms-related tyrosine kinase 3; receptor-type tyrosine-protein kinase FLT3; CD135; FLK2; STK1; STK-1; CD135 antigen; FL cytokine receptor; fetal liver kinase 2; fms-like tyrosine kinase 3; stem cell tyrosine kinase 1; growth factor receptor tyrosine kinase type III; FLK-2;
GeneID	2322
mRNA Refseq	NM_004119
Protein Refseq	NP_004110
MIM	136351
UniProt ID	P36888
Chromosome Location	13q12
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Pathways in cancer, organism-specific biosystem;

Function

ATP binding; cytokine receptor activity; nucleotide binding; phosphatidylinositol 3-kinase binding; protein homodimerization activity; receptor activity; transmembrane receptor protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity; vascular endothelial growth factor-activated receptor activity;