

Rabbit anti-Human, Mouse FLT3 Polyclonal Antibody | anti-FLT3 antibody

FLT3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40687	Rabbit	Human, Mouse	Immunofluorescence, Western Blot, ELISA

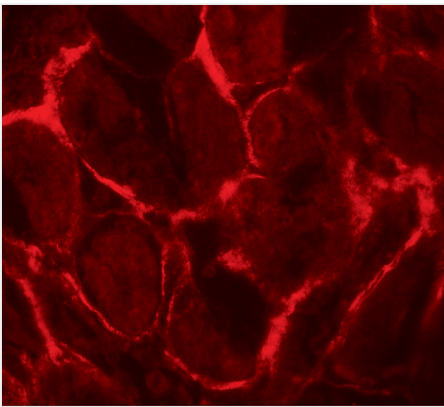
PRODUCT SYNONYMS

FLT3; Polyclonal Antibody; FLT3 Antibody; FLK2; STK1; CD135; FLK-2; Receptor-type tyrosine-protein kinase FLT3; FL cytokine receptor; fms-related tyrosine kinase 3; anti-FLT3 antibody

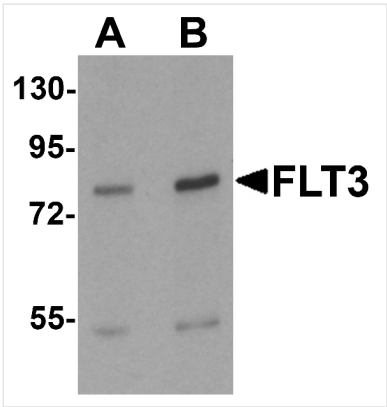
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of FLT3 are known to exist; this antibody will detect all isoforms.
Purity/Purification	FLT3 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	993
Applicable Applications for anti-FLT3 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	FLT3 antibody was raised against an 18 amino acid synthetic peptide near the center of human FLT3.
Buffer	FLT3 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	FLT3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of FLT3 in human kidney tissue with FLT3 antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of FLT3 in 3T3 cell lysate with FLT3 antibody at (A) 1 and (B)2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-FLT3 antibody	FLT3 Antibody: FLT3 is a member of the class III receptor tyrosine kinase family and its internal tandem duplication (ITD) is preferentially seen in acute myeloid leukemia and myelodysplastic syndrome among various hematological malignancies. It is a membrane bound glycosylated protein that is expressed primarily in early hematopoietic progenitor cells. Upon binding its ligand FL, FLT3 activates multiple signaling pathways including the PI3K/Akt and Ras/MEK/MAPK pathways. In cells expressing FLT3-ITD, these pathways are constitutively on, resulting in abnormal cell growth and anti-apoptotic activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	121114304
NCBI GeneID	2322
NCBI Accession #	NP_004110
NCBI GenBank Nucleotide #	NM_004119.2
UniProt Accession #	P36888; Q13414; A0AVG9; B7ZLT7; B7ZLT8; F5H0A0
Molecular Weight	109 kDa
NCBI Official Full Name	receptor-type tyrosine-protein kinase FLT3
NCBI Official Synonym Full Names	fms-related tyrosine kinase 3
NCBI Official Symbol	FLT3
NCBI Official Synonym Symbols	FLK2; STK1; CD135; FLK-2
NCBI Protein Information	receptor-type tyrosine-protein kinase FLT3; 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
UniProt Protein Name	Receptor-type tyrosine-protein kinase FLT3
UniProt Gene Name	FLT3
UniProt Synonym Gene Names	CD135; FLK2; STK1; FLK-2; FLT-3; STK-1
UniProt Entry Name	FLT3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

