

FLT3 Polyclonal Antibody

Catalog NumberPA5-34448

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Mouse, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (IHC)	Dilution *20 µg/mL
Immunogen	An 18 amino acid synthetic peptide near the center of human FLT3	Western Blot (WB)	1-2 µg/mL
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is NIH-3T3 cell lysate. PA5-34448 can be used with blocking peptide PEP-1490.

Background/Target Information

FLT3 is a tyrosine protein kinase that is a member of the growth factor receptor tyrosine kinase family. 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.

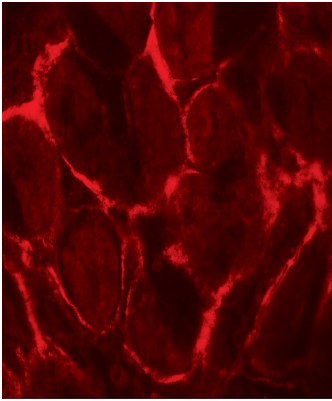
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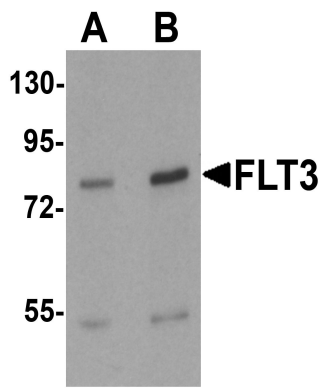
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Product Images For FLT3 Polyclonal Antibody



**FLT3 Antibody (PA5-34448) in IHC**  
Immunofluorescence of FLT3 in human kidney tissue with FLT3 Polyclonal Antibody (Product # PA5-34448) at 20 µg /mL.



**FLT3 Antibody (PA5-34448) in WB**  
Western Blot analysis of FLT3 in 3T3 cell lysate with FLT3 Polyclonal Antibody (Product # PA5-34448) at (A) 1 and (B) 2 µg/mL.

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