

For Research Use Only

FLT3 Polyclonal antibody

Catalog Number: 21049-1-AP **4 Publications**



Basic Information

Catalog Number: 21049-1-AP	GenBank Accession Number: BC036028	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 2322	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: fms-related tyrosine kinase 3	
Isotype: IgG	Calculated MW: 993 aa, 113 kDa	
Immunogen Catalog Number: AG15391	Observed MW: 140-160 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IP, WB	WB : mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	IP : mouse brain tissue,
Cited Species: human, mouse	

Background Information

FLT3 (also known as CD135 or FLK2) is a tyrosine-protein kinase that acts as cell-surface receptor for the cytokine FLT3LG and regulates differentiation, proliferation and survival of hematopoietic progenitor cells and of dendritic cells. FLT3 was originally identified by its expression in hematopoietic stem/progenitor cells (PMID: 7507245). It is important for the normal development of hematopoietic stem/progenitor cells. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia.

Notable Publications

Author	Pubmed ID	Journal	Application
Sheng Cao	34694800	J Med Chem	WB,IP
Noriko Hiramatsu	31584115	Med Mol Morphol	
Yousef Salama	28601636	Biochem Biophys Res Commun	WB,IF

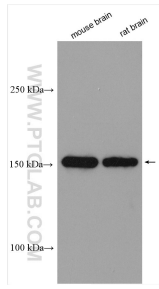
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

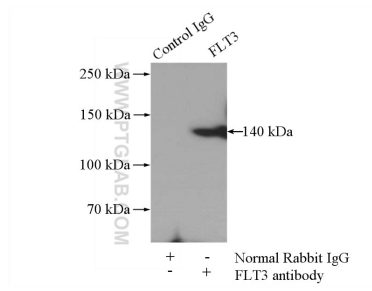
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21049-1-AP (FLT3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-FLT3 (IP:21049-1-AP, 4ug; Detection:21049-1-AP 1:500) with mouse brain tissue lysate 2640ug.