

For Research Use Only

# FLT3 Polyclonal antibody

Catalog Number: 21049-1-AP

7 Publications



## Basic Information

### Catalog Number:

21049-1-AP

### Size:

150ul, Concentration: 450 µg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG15391

### GenBank Accession Number:

BC036028

### GeneID (NCBI):

2322

### UNIPROT ID:

P36888

### Full Name:

fms-related tyrosine kinase 3

### Calculated MW:

993 aa, 113 kDa

### Observed MW:

140-160 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

## Background Information

FLT3 (also known as CD135 or FLK2) is a tyrosine-protein kinase that acts as a 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

\*\*\* 20ul sizes contain 0.1% BSA

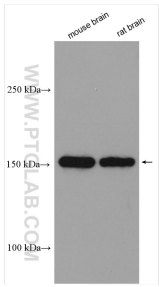
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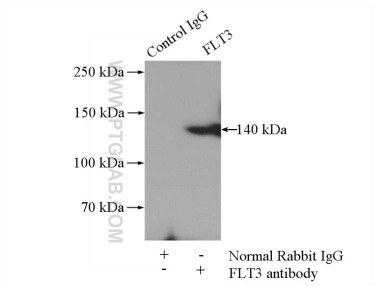
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Selected Validation Data



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.