

For Research Use Only

FLT3 Polyclonal antibody

Catalog Number: 21049-1-AP

7 Publications



Basic Information

Catalog Number:

21049-1-AP

Size:

450 µg/ml

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

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

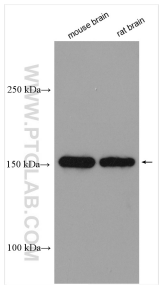
T: 4006900926

E: Proteintech-CN@ptglab.com

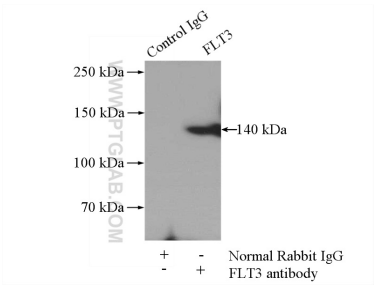
W: ptgcn.com

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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.