

For Research Use Only

# FLT3 Polyclonal antibody

Catalog Number: 21049-1-AP **6 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:**

IP, WB, ELISA

**Cited Applications:**

IF, IP, WB

**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:

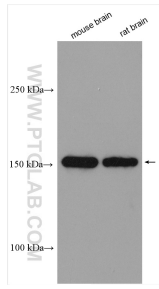
T: 4006900926

E: Proteintech-CN@ptglab.com

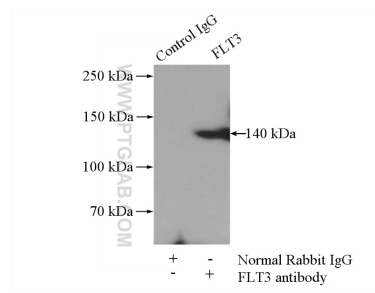
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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.