

For Research Use Only

# FLT3 Polyclonal antibody, PBS Only

Catalog Number: 30297-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

30297-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG32898

**GenBank Accession Number:**

BC126350

**GeneID (NCBI):**

2322

**UNIPROT ID:**

P36888

**Full Name:**

fms-related tyrosine kinase 3

**Calculated MW:**

112 kDa

**Observed MW:**

130 kDa, 150 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IF/ICC, IP, Indirect ELISA

**Species Specificity:**

human

## 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.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

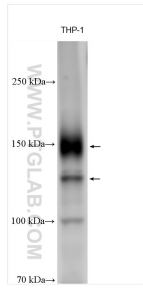
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

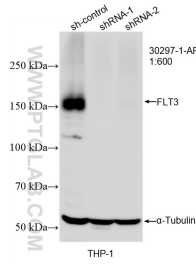
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

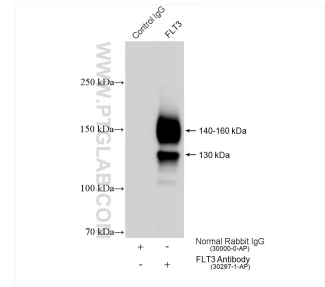
## Selected Validation Data



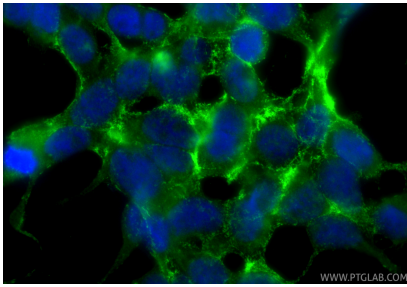
THP-1 cells were subjected to SDS PAGE followed by western blot with 30297-1-AP (FLT3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30297-1-PBS in a different storage buffer formulation.



WB result of FLT3 antibody (30297-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-FLT3 transfected THP-1 cells. This data was developed using the same antibody clone with 30297-1-PBS in a different storage buffer formulation.



IP result of anti-FLT3 (IP:30297-1-AP, 4ug; Detection:30297-1-AP 1:500) with THP-1 cells lysate 2720 ug. This data was developed using the same antibody clone with 30297-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using FLT3 antibody (30297-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 30297-1-PBS in a different storage buffer formulation.