

For Research Use Only

# FHL3 Polyclonal antibody

Catalog Number: 11028-2-AP

Featured Product

12 Publications



## Basic Information

**Catalog Number:**

11028-2-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1495

**GenBank Accession Number:**

BC011697

**GeneID (NCBI):**

2275

**UNIPROT ID:**

Q13643

**Full Name:**

four and a half LIM domains 3

**Calculated MW:**

31 kDa

**Observed MW:**

31 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

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

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IP, IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : K-562 cells, mouse ovary tissue

IP : K-562 cells,

IHC : human ovary tumor tissue,

## Background Information

Four and a half LIM domain (FHL) protein 3 is a member of the FHL protein family that has roles in the regulation of signal transduction, survival, cell adhesion, and mobility. It also involves in the development and progression of liver cancer. The FHL proteins have been shown to regulate a variety of transcription factors, including SMAD proteins,  $\beta$ -catenin, SRF, AP-1, NFAT, FOXO1, MyoD, and the androgen receptor. Beside, the FHL proteins may involve in muscle growth and differentiation. Recent research revealed FHL3 was a PCBP2 target, also involved in the growth and induced apoptosis of glioma cell (23585479). This antibody recognizes specifically the 34kd FHL3 protein.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Han	29955125	Cell Death Differ	WB,IP
Guodong Cao	34150617	Front Oncol	IF
Xiaojie Xu	28094252	Nat Commun	WB

## 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:

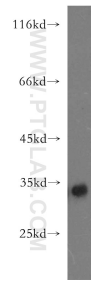
T: 4006900926

E: Proteintech-CN@ptglab.com

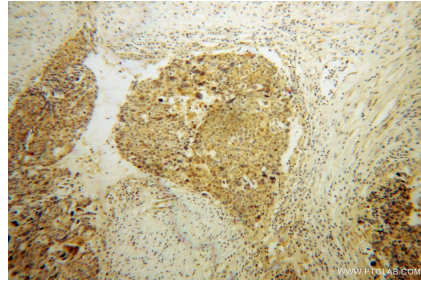
W: ptgcn.com

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

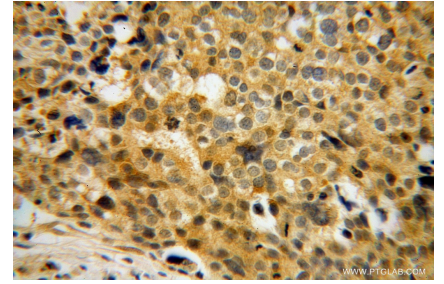
## Selected Validation Data



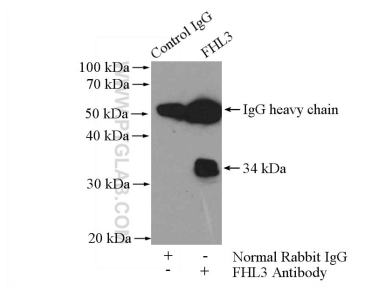
K-562 cells were subjected to SDS PAGE followed by western blot with 11028-2-AP (FHL3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 11028-2-AP (FHL3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 11028-2-AP (FHL3 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-FHL3 (IP:11028-2-AP, 4ug; Detection:11028-2-AP 1:500) with K-562 cells lysate 1200ug.