

For Research Use Only

# FBXO27 Polyclonal antibody

Catalog Number: 14570-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

14570-1-AP

### Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 153 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6157

### GenBank Accession Number:

BC030060

### GeneID (NCBI):

126433

### UNIPROT ID:

Q8NI29

### Full Name:

F-box protein 27

### Calculated MW:

32 kDa

### Observed MW:

32 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human

### Cited Species:

human

### Positive Controls:

WB : PANC-1 cells,

IP : PANC-1 cells,

IHC : human kidney tissue,

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

## Background Information

FBXO27 is a glycoprotein-specific F-box protein that is part of the SCF (SKP1/CUL1/F-box protein) ubiquitin ligase complex, and SCFFBXO27 ubiquitinates glycoproteins in damaged lysosomes will regulate autophagic machinery recruitment (PMID: 28743755). Unlike F-box proteins in other SCF complexes, FBXO27 is subject to N-myristoylation, which localizes it to membranes, allowing it to accumulate rapidly around damaged lysosomes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yukiko Yoshida	28743755	Proc Natl Acad Sci U S A	WB, IF
Chang Woo Chae	37357416	Autophagy	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

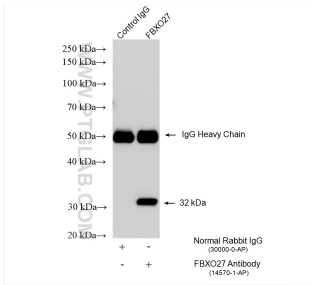
For technical support and original validation data for this product please contact:

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

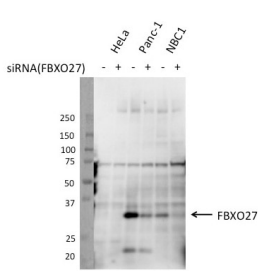
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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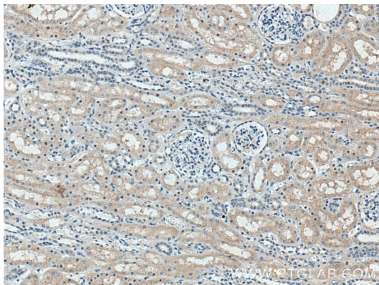
Selected Validation Data



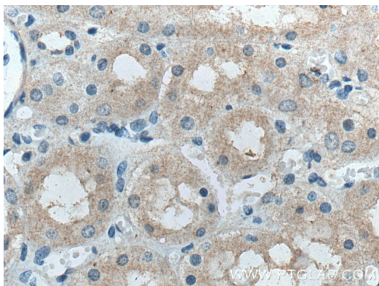
IP result of anti-FBXO27 (IP:14570-1-AP, 4ug; Detection:14570-1-AP 1:600) with PANC-1 cells lysate 1330 ug.



FBXO27 expression in cells. Each whole cell lysate containing 15 ug protein was analyzed by immunoblotting using FBXO27 (14570-1-AP: 1:2000). Knock-down experiment confirmed that the pointed band showed FBXO27. (Data from Dr. Yukiko Yoshida, Ubiquitin Project, Tokyo Metropolitan Institute of Medical Science.).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14570-1-AP (FBXO27 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14570-1-AP (FBXO27 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).