

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 : mouse 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

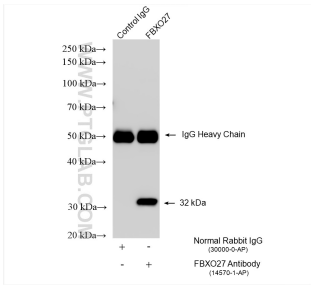
For technical support and original validation data for this product please contact:

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

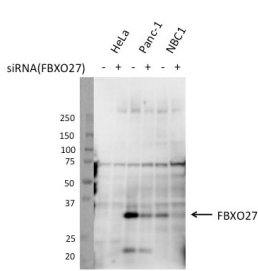
E: proteintech@ptglab.com
W: ptglab.com

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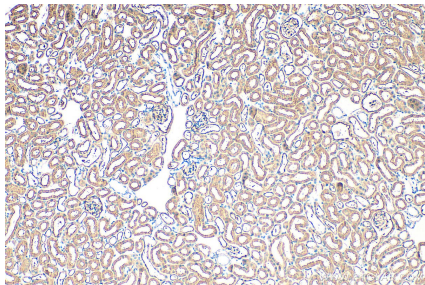
Selected Validation Data



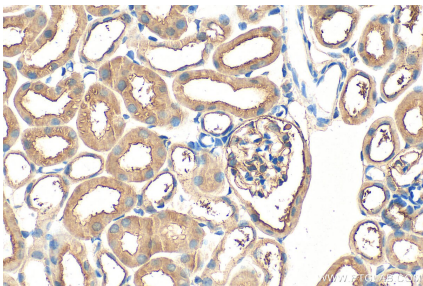
IP result of anti-FBXO27 (IP:14570-1-AP, 4ug; Detection:14570-1-AP 1:600) with PANC-1 cells lysate 1330 ug.



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 mouse 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 mouse 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).