

For Research Use Only

# FBXW11 Polyclonal antibody

Catalog Number: 13149-1-AP

Featured Product

14 Publications



## Basic Information

**Catalog Number:**

13149-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3761

**GenBank Accession Number:**

BC026213

**GeneID (NCBI):**

23291

**UNIPROT ID:**

Q9UKB1

**Full Name:**

F-box and WD repeat domain containing 11

**Calculated MW:**

542 aa, 61 kDa

**Observed MW:**

61 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:50-1:500

IF 1:200-1:800

## Applications

**Tested Applications:**

WB, IF/ICC, IHC, ELISA

**Cited Applications:**

WB, IP, IF, IHC

**Species Specificity:**

human

**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:** A431 cells, SGC-7901 cells, human stomach tissue, A549 cells

**IHC:** human stomach cancer tissue,

**IF:** HCT 116 cells, A431 cells, U2OS cells

## Background Information

FBXW11 (also known as HOS or  $\beta$ -TrCP2) is a member of F-box family proteins and plays critical role in regulating the ubiquitination of phosphorylated substrates. Abnormal expression of several FBXW11 is involved in the modulation of various biological events, such as cell cycle, differentiation, migration, inflammation, and apoptosis, through targeting multiple different substrates. For instance, FBXW11 could bind to the phosphorylated I $\kappa$ B and  $\beta$ -catenin, promoting their degradation via the ubiquitin-proteasome system. In addition, FBXW11 expression is markedly increased in mouse skin tumors and promotes tumor growth by activating the NF- $\kappa$ B signaling (PMID: 33640602). FBXW11 has 3 isoforms with the molecular mass of 58-62 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lin Zhao	36194598	Carcinogenesis	WB
Yan Zhang	34731635	Cell Rep	WB, IF
Xiaoqian Liu	29150431	EMBO J	WB,IP

## 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:

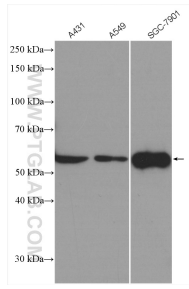
T: 4006900926

E: Proteintech-CN@ptglab.com

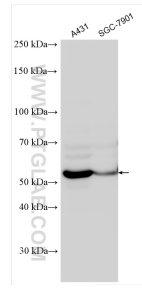
W: ptgcn.com

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

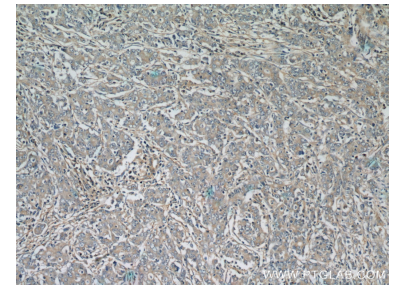
## Selected Validation Data



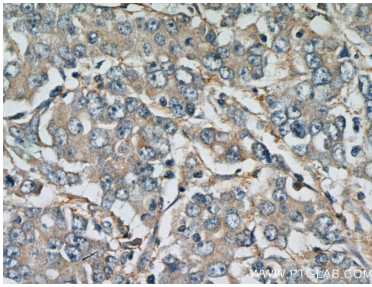
Various lysates were subjected to SDS PAGE followed by western blot with 13149-1-AP (FBXW11 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



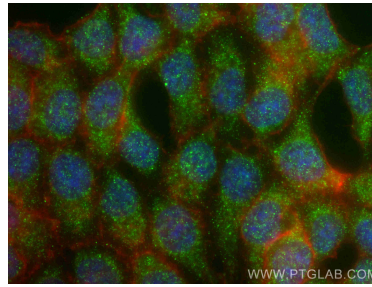
Various lysates were subjected to SDS PAGE followed by western blot with 13149-1-AP (FBXW11 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



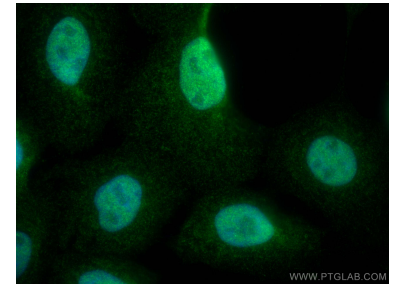
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13149-1-AP (FBXW11 Antibody) at dilution of 1:100 (under 10x lens).



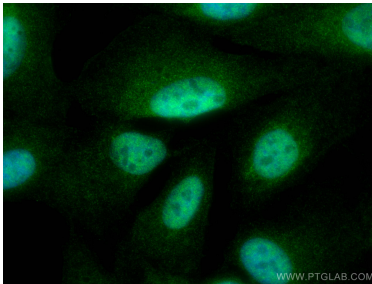
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13149-1-AP (FBXW11 Antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HCT 116 cells using FBXW11 antibody (13149-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using FBXW11 antibody (13149-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using FBXW11 antibody (13149-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).