

For Research Use Only

# FBXO22 Polyclonal antibody

Catalog Number: 13606-1-AP

Featured Product

20 Publications



## Basic Information

**Catalog Number:**

13606-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4485

**GenBank Accession Number:**

BC039024

**GeneID (NCBI):**

26263

**UNIPROT ID:**

Q8NEZ5

**Full Name:**

F-box protein 22

**Calculated MW:**

403 aa, 45 kDa

**Observed MW:**

45 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:4000

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

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

IHC, IP, WB

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**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 : HeLa cells, HuH-7 cells, HepG2 cells

IP : HeLa cells,

IHC : mouse heart tissue,

## Background Information

FBXO22, also named as FBX22, is a substrate-recognition of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. FBXO22 is a key regulator of senescence induction through ubiquitylation of p53 for degradation. FBXO22 also acts as a molecular switch for the antagonistic and agonistic actions of selective estrogen receptor modulators (SERM) and determines the sensitivity of breast cancer to SERM by ubiquitylating KDM4B complexed with unliganded or SERMs - bound estrogen receptor (ER). (PMID: 32536008, PMID: 32249768)

## Notable Publications

Author	Pubmed ID	Journal	Application
Min Lin	36127346	Cell Death Dis	WB,IHC
Siqiaozhi Li	36112263	Cell Biol Toxicol	IHC
Rita Moreno	36084789	Free Radic Biol Med	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:

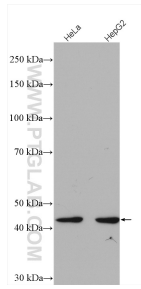
T: 4006900926

E: Proteintech-CN@ptglab.com

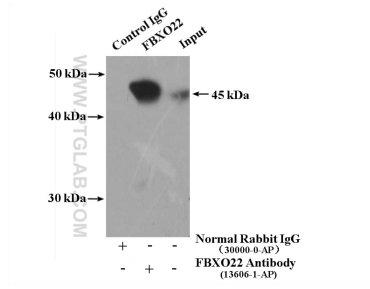
W: ptgcn.com

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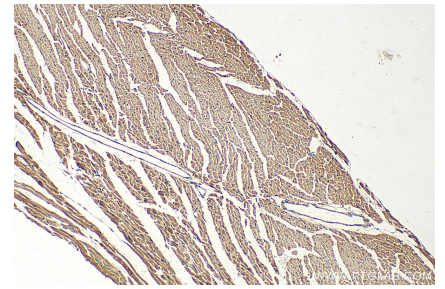
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13606-1-AP (FBXO22 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-FBXO22 (IP:13606-1-AP, 4ug; Detection:13606-1-AP 1:500) with HeLa cells lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 13606-1-AP (FBXO22 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).