

For Research Use Only

FBXO22 Polyclonal antibody

Catalog Number: 13606-1-AP

Featured Product

29 Publications



Basic Information

Catalog Number:

13606-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

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 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, IHC, IF, IP

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, Jurkat 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

*** 20ul sizes contain 0.1% BSA

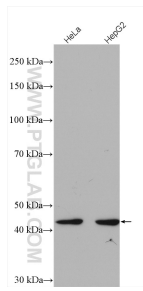
For technical support and original validation data for this product please contact:

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

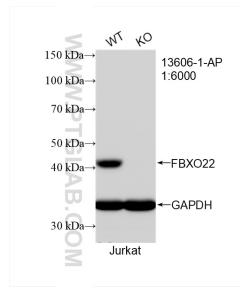
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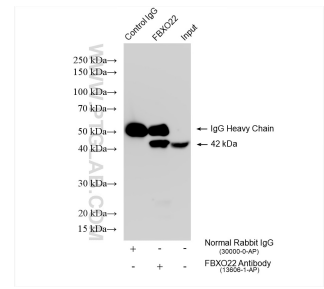
Selected Validation Data



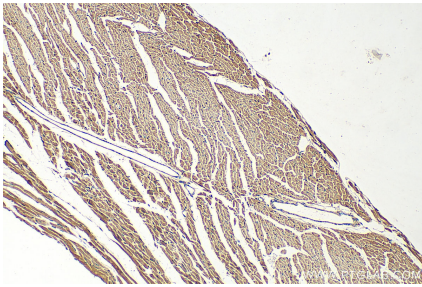
Various lysates were subjected to SDS PAGE followed by western blot with 13606-1-AP (FBXO22 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of FBXO22 antibody (13606-1-AP; 1:6000; room temperature for 1.5 hours) with wild-type and FBXO22 knockout Jurkat cells.



IP result of anti-FBXO22 (IP:13606-1-AP, 4ug; Detection:13606-1-AP 1:4000) with HeLa cells lysate 1750 ug.



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).