

For Research Use Only

# FBXO22 Monoclonal antibody

Catalog Number: 68650-1-Ig



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>68650-1-Ig                             | <b>GenBank Accession Number:</b><br>BC039024 | <b>Purification Method:</b><br>Protein G purification |
| <b>Size:</b><br>150ul, Concentration: 1000 µg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>26263               | <b>CloneNo.:</b><br>4B8A12                            |
| <b>Source:</b><br>Mouse  | <b>Full Name:</b><br>F-box protein 22        | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000    |
| <b>Isotype:</b><br>IgG1  | <b>Calculated MW:</b><br>403 aa, 45 kDa      |   |
| <b>Immunogen Catalog Number:</b><br>AG5294                       | <b>Observed MW:</b><br>45 kDa                |   |

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
Human

**Positive Controls:**

WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells

## 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)

## 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

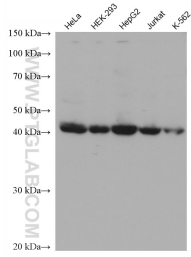
For technical support and original validation data for this product please contact:

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)  
W: [ptglab.com](http://ptglab.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 68650-1-Ig (FBXO22 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.