

For Research Use Only

# FBX4 Recombinant monoclonal antibody

Catalog Number:87549-1-RR



## Basic Information

Catalog Number:

87549-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5013

GenBank Accession Number:

BC048098

GeneID (NCBI):

26272

UNIPROT ID:

Q9UKT5

Full Name:

F-box protein 4

Calculated MW:

44 kDa

Observed MW:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

252858D2

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HL-60 cells, HeLa cells, A431 cells, NIH/3T3 cells, mouse lung tissue, mouse thymus tissue, mouse spleen tissue

IF/ICC : A431 cells,

## Background Information

FBX4 (F-Box Protein 4), also known as FBXO4, is a member of the F-box protein family. FBX4 is involved in the ubiquitination of various target proteins, leading to their degradation. It has been shown to regulate the cell cycle by targeting proteins such as cyclin D1 for ubiquitination and degradation. Mutations in FBX4 have been linked to various diseases, including spermatogenic failure and esophageal cancer. In cancer, FBX4 has been shown to act as a tumor suppressor. Loss of FBX4 function can lead to increased cell proliferation and tumor development. For example, FBX4 knockout mice have been shown to develop various tumors, including lymphoblastic lymphoma and mammary carcinoma. FBX4 has two isoforms: 44 kDa and 35 kDa. The observed molecular weight is consistent with the result in PMID: 21242966.

## 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

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

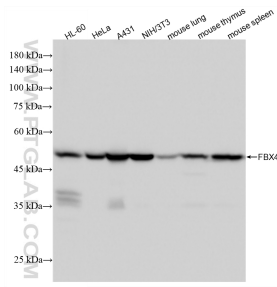
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

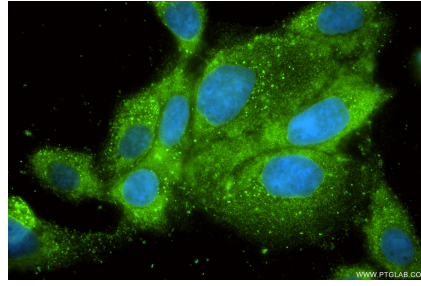
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87549-1-RR (FBX4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using FBX4 antibody (87549-1-RR, Clone: 252858D2 ) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).