

For Research Use Only

# FBXO33 Polyclonal antibody, PBS Only

Catalog Number: 23381-1-PBS



## Basic Information

Catalog Number:

23381-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20055

GenBank Accession Number:

BC068566

GeneID (NCBI):

254170

UNIPROT ID:

Q7Z6M2

Full Name:

F-box protein 33

Calculated MW:

555 aa, 63 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

F-box Only Protein 33 (FBXO33) is a typical member of the F-box protein family with E3 ligase function. FBXO33 can regulate the ubiquitination and solubility of polyglutamine disease proteins, potentially serving as a target for treating type 3 spinocerebellar ataxia. FBXO33 ligase interferes with YB-1-mediated functions by binding and ubiquitinating the multifunctional regulator Y-box-binding protein 1 (YB-1)/dbpB/p50, leading to proteasomal degradation (PMID: 39206900). The calculated molecular weight of FBXO33 is 63 kDa.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

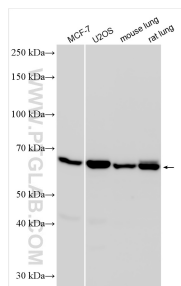
T: 4006900926

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

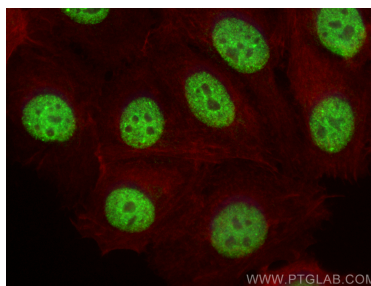
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23381-1-AP (FBXO33 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 23381-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using FBXO33 antibody (23381-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 23381-1-PBS in a different storage buffer formulation.