

For Research Use Only

# FBXO33 Polyclonal antibody

Catalog Number: 23381-1-AP



## Basic Information

**Catalog Number:**

23381-1-AP

**Size:**

150ul , Concentration: 400 ug/ml by Nanodrop;

**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

**Recommended Dilutions:**

WB 1:1000-1:6000

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : MCF-7 cells, U2OS cells, mouse lung tissue, rat lung tissue

IF/ICC : MCF-7 cells,

## 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 -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

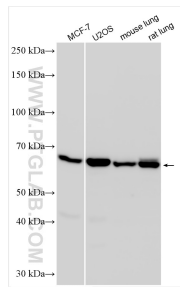
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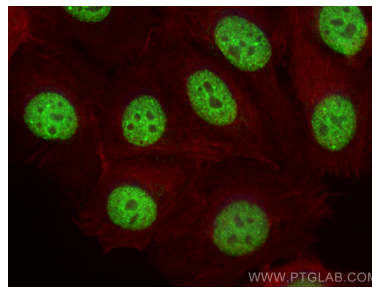
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## Selected Validation Data



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.



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).