

For Research Use Only

# FBXO33 Polyclonal antibody, PBS Only

Catalog Number: 23381-1-PBS



## Basic Information

<b>Catalog Number:</b> 23381-1-PBS	<b>GenBank Accession Number:</b> BC068566	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 254170	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7Z6M2	
<b>Isotype:</b> IgG	<b>Full Name:</b> F-box protein 33	
<b>Immunogen Catalog Number:</b> AG20055	<b>Calculated MW:</b> 555 aa, 63 kDa	
	<b>Observed MW:</b> 63 kDa	

## 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.  
**Storage Buffer:**  
PBS Only

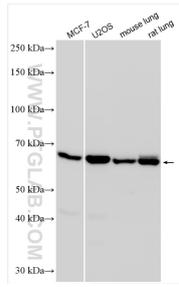
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## Selected Validation Data



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.