

For Research Use Only

# AXIN2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 83631-2-PBS



## Basic Information

<b>Catalog Number:</b> 83631-2-PBS	<b>GenBank Accession Number:</b> BC006295	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 8313	<b>CloneNo.:</b> 250975B9
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q9Y2T1	
<b>Immunogen Catalog Number:</b> AG14574	<b>Full Name:</b> axin 2	
	<b>Calculated MW:</b> 843 aa, 94 kDa	
	<b>Observed MW:</b> 94-100 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

Axis inhibition protein2 (AXIN2), also known as Coductin or Axil, is a multidomain scaffold protein that negatively regulate Wnt signaling. AXIN2 can directly interact with beta-catenin and GSK3B. AXIN2 has a number of phosphorylation sites, and also can undergo poly(ADP-ribose)lation by tankyrase TNKS and TNKS2. Poly(ADP-ribose)lated AXIN2 then get ubiquitinated by RNF 146 and leads to its degradation and subsequent activation of Wnt signaling. AXIN2 is localized in the cytoplasm and its mutation is involved in colorectal cancer.

## 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, pH7.3

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

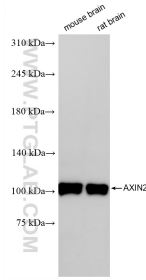
T: 4006900926

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

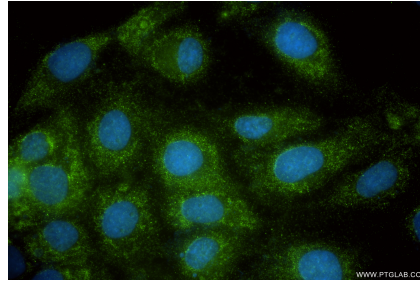
W: [ptgcn.com](http://ptgcn.com)

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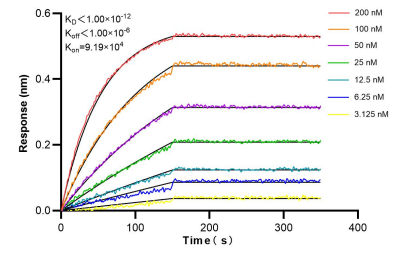
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83631-2-RR (AXIN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83631-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using AXIN2 antibody (83631-2-RR, Clone: 250975B9) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83631-2-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 83631-2-RR against Human AXIN2 were performed. The affinity constant is below 1 pM.