

For Research Use Only

# AXIN2 Recombinant monoclonal antibody

Catalog Number: 83631-2-RR



## Basic Information

<b>Catalog Number:</b> 83631-2-RR	<b>GenBank Accession Number:</b> BC006295	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8313	<b>CloneNo.:</b> 250975B9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y2T1	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> axin 2	
<b>Immunogen Catalog Number:</b> AG14574	<b>Calculated MW:</b> 843 aa, 94 kDa	
	<b>Observed MW:</b> 94-100 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue IF/ICC : A431 cells,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

Axis inhibition protein2 (AXIN2), also known as Cductin 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 -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

\*\*\* 20ul sizes contain 0.1% BSA

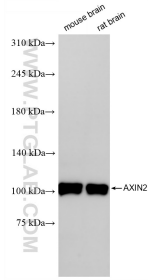
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

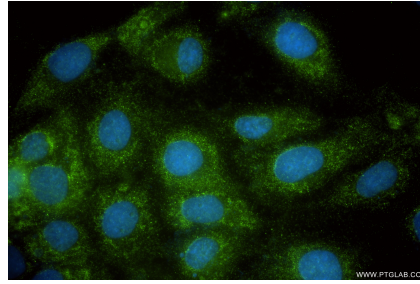
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

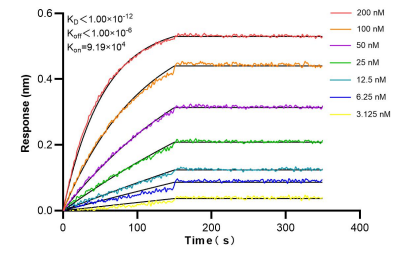
## Selected Validation Data



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.



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).



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