

For Research Use Only

AXIN2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 83631-2-PBS



Basic Information

Catalog Number: 83631-2-PBS	GenBank Accession Number: BC006295	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8313	CloneNo.: 250975B9
Source: Rabbit	UNIPROT ID: Q9Y2T1	
Isotype: IgG	Full Name: axin 2	
Immunogen Catalog Number: AG14574	Calculated MW: 843 aa, 94 kDa	
	Observed MW: 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 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 -80°C.

Storage Buffer:
PBS only, pH7.3

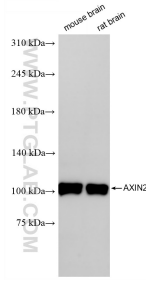
For technical support and original validation data for this product please contact:

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

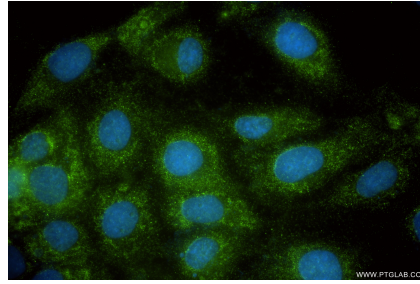
E: proteintech@ptglab.com
W: ptglab.com

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

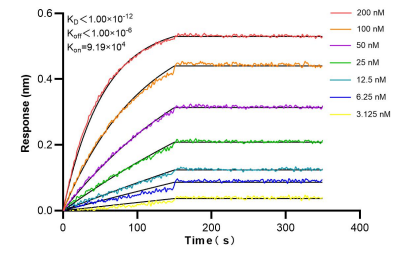
Selected Validation Data



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. 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.