

For Research Use Only

AXIN2 Recombinant monoclonal antibody

Catalog Number:83631-2-RR



Basic Information

Catalog Number:

83631-2-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14574

GenBank Accession Number:

BC006295

GeneID (NCBI):

8313

UNIPROT ID:

Q9Y2T1

Full Name:

axin 2

Calculated MW:

843 aa, 94 kDa

Observed MW:

94-100 kDa

Purification Method:

Protein A purification

CloneNo.:

250975B9

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IF/ICC : A431 cells,

Background Information

Axis inhibition protein2 (AXIN2), also known as Conductin 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

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

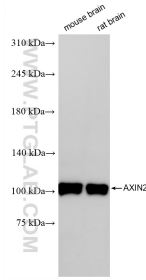
T: 4006900926

E: Proteintech-CN@ptglab.com

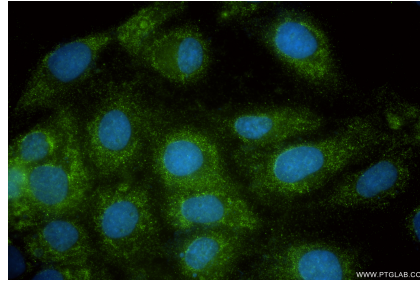
W: ptgcn.com

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

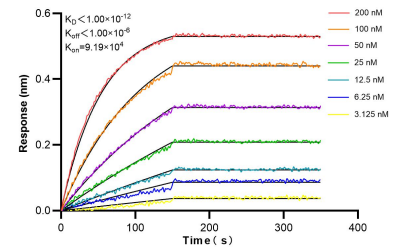
Selected Validation Data



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).



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