

For Research Use Only

AXIN2 Polyclonal antibody

Catalog Number: 20540-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

20540-1-AP

Size:

150UL, Concentration: 467 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14574

GenBank Accession Number:

BC006295

GeneID (NCBI):

8313

Full Name:

axin 2

Calculated MW:

843 aa, 94 kDa

Observed MW:

93-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, BxPC-3 cells, MDA-MB-453s cells

IHC : human lung cancer tissue,

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 RNF146 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. Catalog#20540-1-AP is a rabbit polyclonal antibody raised against a 34 amino acid N-terminal of human AXIN2. Observed MW of AXIN2 is from 93-100 kDa (PMID: 11809809; 24607787).

Notable Publications

Author	Pubmed ID	Journal	Application
Cefan Zhou	32972302	Autophagy	WB
Pingping Zhu	30224759	Nat Cell Biol	WB
Zhifei Ma	32393760	Cell Death Dis	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

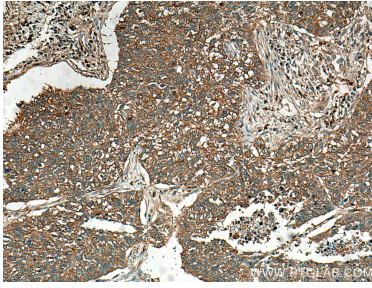
For technical support and original validation data for this product please contact:

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

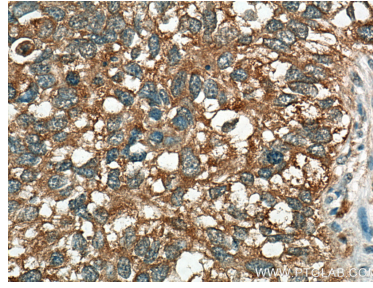
E: proteintech@ptglab.com
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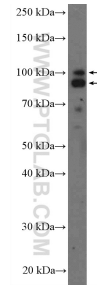
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 20540-1-AP (AXIN2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 20540-1-AP (AXIN2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Jurkat cells were subjected to SDS PAGE followed by western blot with 20540-1-AP (AXIN2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.