For Research Use Only

AXIN2 Polyclonal antibody

Catalog Number:20540-1-AP Featured Product 39 Publications

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Basic Information

Catalog Number:
20540-1-AP

Size:
150ul , Concentration: 700 μg/ml by Nanodrop;

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:
94-100 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, 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 : A549 cells, Jurkat cells, MDA-MB-453s cells, BxPC-3 cells, HeLa 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-ribosy)lation by tankyrase TNKS and TNKS2. Poly(ADP-ribosy)lated AXIN2 then get unbiquitinated by RNF146 and leads to its degradation and subsequent activation of Wnt signaling. AXIN2 is localized in the cytoplasm and its mutaion is involved in colorectal cancer. Catalgo#20540-1-AP is a rabbit polyclonal antibdy 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
Di Cui	34586717	Adv Healthc Mater	WB
Cefan Zhou	32972302	Autophagy	WB
Pingping Zhu	30224759	Nat Cell Biol	WB

Storage

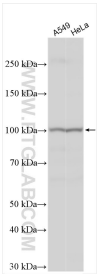
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

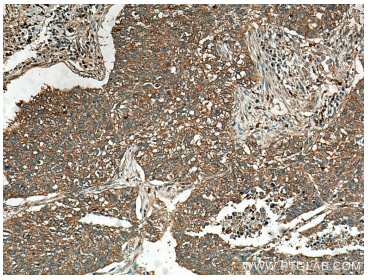
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

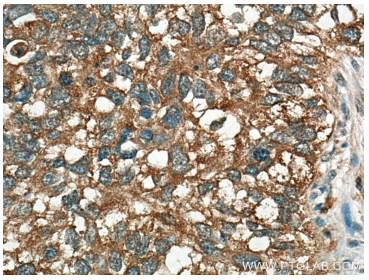
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20540-1-AP (AXIN2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).