

Datasheet for 600-401-Z15**AXIN2 Antibody****Overview**

Description:	Anti-AXIN2 (RABBIT) Antibody - 600-401-Z15
Item No.:	600-401-Z15
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Like the related protein AXIN1, AXIN2 is thought to play an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway. In mouse, AXIN2 organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and AXIN2, which leads to the degradation of beta-catenin, which is thought to be an important event in the genesis of a number of malignancies. The AXIN2 gene has been mapped to 17q23-q24, a region that shows frequent loss of heterozygosity in breast cancer, neuroblastoma, and other tumors. Mutations in this gene have been associated with colorectal cancer with defective mismatch repair.
Synonyms:	AXIN2 Antibody, AXIL, ODCRCS, Axin-2, Axin-like protein, Axil
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	AXIN2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-AXIN2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 20 amino acid synthetic peptide near the C-terminus of human AXIN2.

Purity/Specificity: Anti-AXIN2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. AXIN2 antibody is predicted to not cross-react with AXIN1. At least four isoforms of AXIN2 are known to exist; this antibody will recognize all four.

Relevant Links:

- [UniProtKB - Q9Y2T1](#)
- [GeneID - 8313](#)
- [NCBI - AAF22799](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-AXIN2 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 94 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

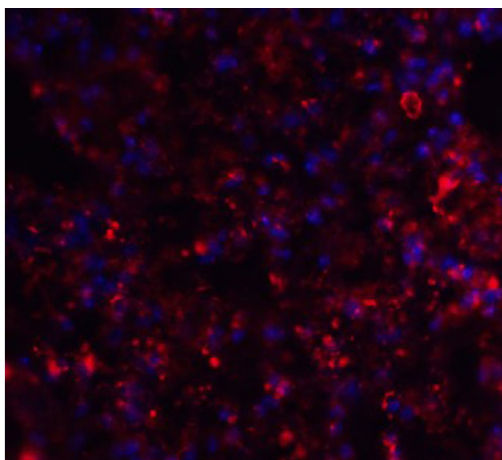
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

Expiration date is one (1) year from date of receipt.

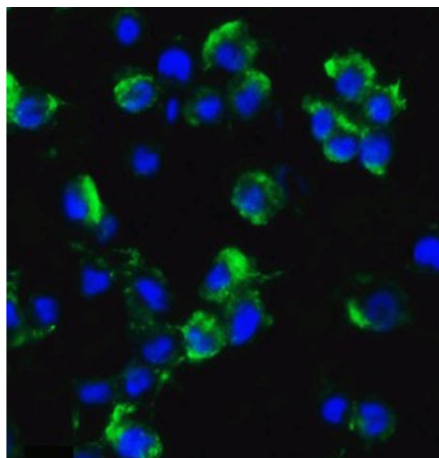
Images**Immunofluorescence Microscopy**

Immunofluorescence of AXIN2.

Tissue: mouse lung tissue.

Primary Antibody: AXIN2 antibody at 20 µg/mL.

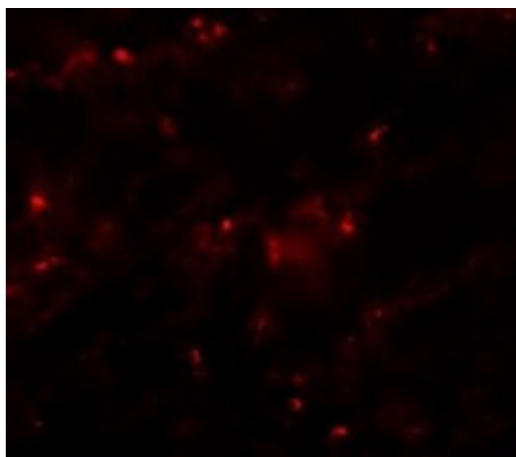
Staining: AXIN2 Antibody (red), DAPI staining (blue).

**Immunofluorescence Microscopy**

Immunofluorescence of AXIN2.

Cell: HepG2 cells.

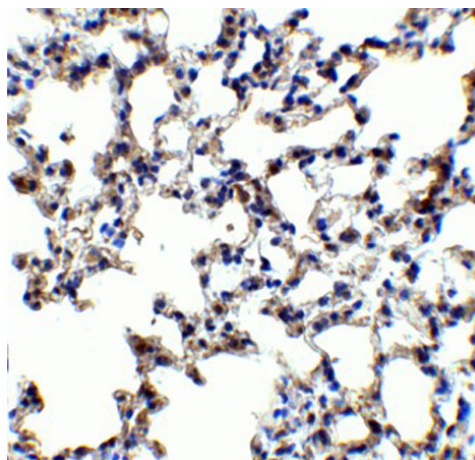
Primary Antibody: AXIN2 Antibody at 20 µg/ml.

**Immunofluorescence Microscopy**

Immunofluorescence of AXIN2.

Cell: Rat Lung cells.

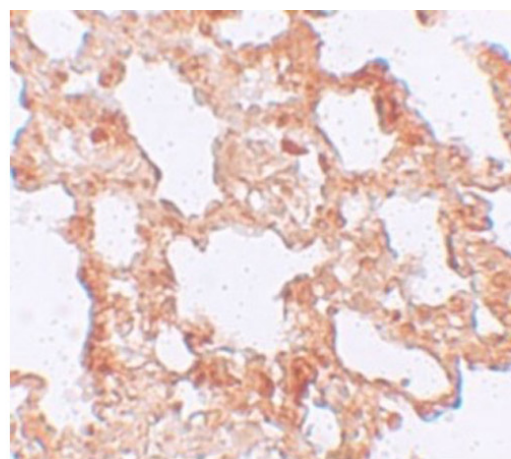
Primary Antibody: AXIN2 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of AXIN2.

Tissue: mouse lung tissue.

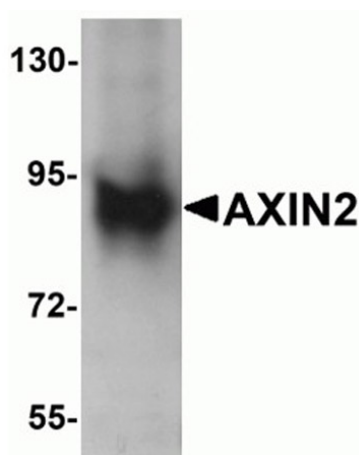
Primary Antibody: AXIN2 antibody at 5 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of AXIN2.

Tissue: rat lung tissue.

Primary Antibody: AXIN2 antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of AXIN2.

Load: mouse lung lysate.

Primary Antibody: AXIN2 antibody at 1 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.