BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Axin-2 AXIN2 Antibody

Catalog Number: A01772

About AXIN2

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.

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Overview

Product Name	Anti-Axin-2 AXIN2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Axin-2 AXIN2 Antibody (Catalog # A01772). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	AXIN2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	AXIN2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9Y2T1

Technical Details

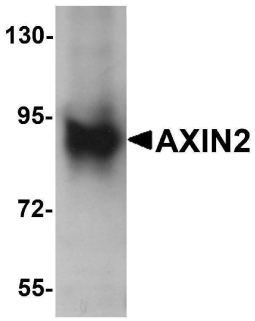
Immunogen	AXIN2 antibody was raised against a 20 amino acid synthetic peptide near the carboxy terminus of human AXIN2. The immunogen is located within amino acids 780 - 830 of AXIN2.
Predicted Reactive Species	Chicken
Cross Reactivity	AXIN2 antibody is predicted to not cross-react with AXIN1. At least four isoforms of AXIN2 are

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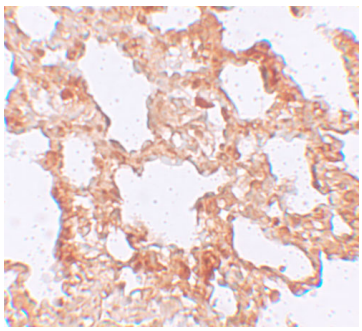
	known to exist; this antibody will recognize all four.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	AXIN2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	AXIN2 antibody can be used for detection of AXIN2 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse and rat samples and Immunofluorescence in mouse and rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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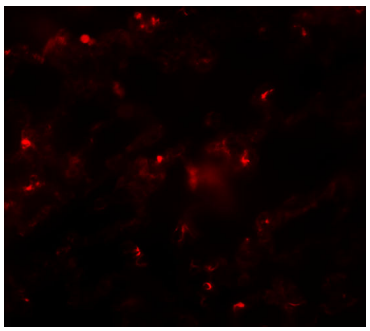
Anti-Axin-2 AXIN2 Antibody (A01772) Images



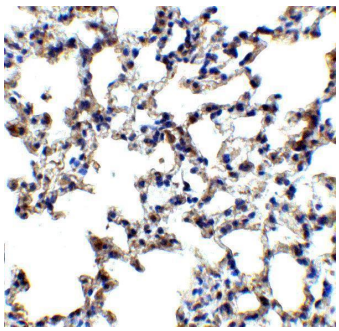
Western blot analysis of AXIN2 in mouse lung lysate with AXIN2 antibody at 1 ug/mL.



Immunohistochemistry of AXIN2 in rat lung tissue with AXIN2 antibody at 5 ug/mL.



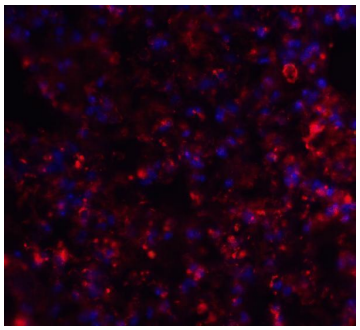
Immunofluorescence of AXIN2 in Rat Lung cells with AXIN2 antibody at 20 ug/mL.

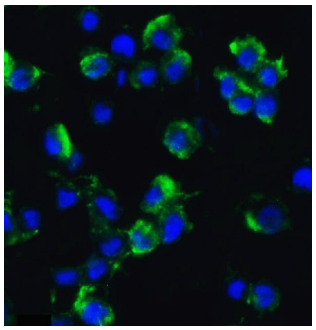


Immunohistochemistry of AXIN2 in mouse lung tissue with AXIN2 antibody at 5 ug/mL.

Immunofluorescence of AXIN2 in mouse lung tissue with AXIN2 antibody at 20 ug/mL.Red: AXIN2 Antibody (A01772) Blue: DAPI staining

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Immunofluorescence of AXIN2 in HepG2 cells with AXIN2 Antibody at 20 ug/ml.

Anti-Axin-2 AXIN2 Antibody

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