

Rabbit AXIN2 Polyclonal Antibody | anti-AXIN2 antibody

AXIN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10910	Rabbit	Human, Mouse, Rat	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

AXIN2; Polyclonal Antibody; AXIN2 Antibody; AXIN2 Antibody: AXIL; ODCRCS; Axin-2; Axin-like protein; Axil; anti-AXIN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	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.
Purity/Purification	AXIN2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; AXIN2 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	843
Applicable Applications for anti-AXIN2 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	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 to be determined by the researcher.
Conjugate	Unconjugated
Immunogen	AXIN2 antibody was raised against a 20 amino acid synthetic peptide near the carboxyterminus of human AXIN2. The immunogen is located within amino acids 780 - 830 of AXIN2.
Homology	Predicted species reactivity based on immunogen sequence: Chicken: (85%)
Preparation and Storage	AXIN2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



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



IF (Immunofluorescence)
Immunofluorescence of AXIN2 in mouse lung tissue with AXIN2 antibody at 20 ug/mL.Red: AXIN2 Antibody (AAA10910) Blue: DAPI staining



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



IF (Immunofluorescence)
Immunofluorescence of AXIN2 in Rat Lung cells with AXIN2antibody at 20 ug/mL.



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-AXIN2 antibody	AXIN2 Antibody: 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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NCBI AND UNIPROT INFORMATION

NCBI GI #	195927059
NCBI GeneID	8313
NCBI Accession #	AAF22799
NCBI GenBank Nucleotide #	NM_004655.3
Molecular Weight	85, 93 kDa
NCBI Official Full Name	axin-2
NCBI Official Synonym Full Names	axin 2
NCBI Official Symbol	AXIN2
NCBI Official Synonym Symbols	AXIL; ODCRCS
NCBI Protein Information	axin-2; conductin; axin-like protein; axis inhibition protein 2
UniProt Protein Name	Axin-2
UniProt Gene Name	AXIN2
UniProt Synonym Gene Names	Axil
UniProt Entry Name	AXIN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/axin2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/10910>