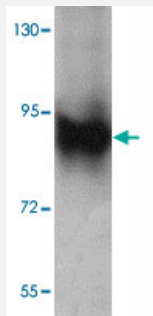


AXIN2 polyclonal antibody

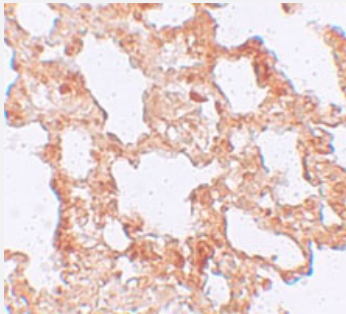
Catalog # PAB19407 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of AXIN2 in mouse lung tissue lysate with AXIN2 polyclonal antibody (Cat # PAB19407) at 1 ug/mL.



Immunohistochemistry

Immunohistochemical staining of rat lung cells with AXIN2 polyclonal antibody (Cat # PAB19407) at 5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AXIN2.
Immunogen	A synthetic peptide corresponding to 20 amino acids near C-terminus of human AXIN2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	AXIN2 antibody is predicted to not cross-react with AXIN2. At least four isoforms of AXIN2 are known to exist; this antibody will recognize all four.
Form	Liquid

Purification	Peptide affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of AXIN2 in mouse lung tissue lysate with AXIN2 polyclonal antibody (Cat # PAB19407) at 1 ug/mL.

- Immunohistochemistry

Immunohistochemical staining of rat lung cells with AXIN2 polyclonal antibody (Cat # PAB19407) at 5 ug/mL.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AXIN2

Entrez GeneID	8313
Protein Accession#	AAF22799
Gene Name	AXIN2
Gene Alias	AXIL, DKFZp781B0869, MGC10366, MGC126582
Gene Description	axin 2
Omim ID	114500 604025 608615
Gene Ontology	Hyperlink

Gene Summary

The Axin-related protein, Axin2, presumably plays an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway, like its rodent homologs, mouse conductin/rat axil. In mouse, conductin organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and conductin, which leads to the degradation of beta-catenin. Apparently, the deregulation of beta-catenin is 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. [provided by RefSeq]

Other Designations

conductin

Pathway

- [Basal cell carcinoma](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [Pathways in cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Dental Enamel Hypoplasia](#)
- [Depressive Disorder](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)

- [Head and Neck Neoplasms](#)
- [Hirschsprung Disease](#)
- [Lung Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Retinoblastoma](#)
- [Tooth Abnormalities](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)