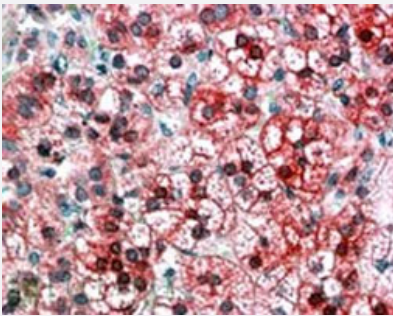


AXIN1 polyclonal antibody

Catalog # PAB6140 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

AXIN1 polyclonal antibody (Cat # PAB6140, 3.8 ug/mL) staining of paraffin embedded human adrenal cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of AXIN1.

Immunogen A synthetic peptide corresponding to human AXIN1.

Sequence C-FEEKIIGKVEKVD

Host Goat

Theoretical MW (kDa) 95.6, 91.7

Reactivity Human

Specificity This antibody is expected to recognize both reported isoforms.

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:128000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

AXIN1 polyclonal antibody (Cat # PAB6140, 3.8 ug/mL) staining of paraffin embedded human adrenal cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AXIN1

Entrez GeneID	8312
Protein Accession#	NP_003493.1 ; NP_851393.1
Gene Name	AXIN1
Gene Alias	AXIN, MGC52315
Gene Description	axin 1
Omim ID	114550 603816 607864
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cytoplasmic protein which contains a regulation of G-protein signaling (RGS) domain and a dishevelled and axin (DIX) domain. The encoded protein interacts with adenomatous polyposis coli, catenin (cadherin-associated protein), beta 1, 88kDa, glycogen synthase kinase 3 beta, protein phosphatase 2, and itself. This protein functions as a negative regulator of the wingless-type MMTV integration site family, member 1 (WNT) signaling pathway and can induce apoptosis. The crystal structure of a portion of this protein, alone and in a complex with other proteins, has been resolved. Mutations in this gene have been associated with hepatocellular carcinoma, hepatoblastomas, ovarian endometrioid adenocarcinomas, and medullablastomas. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

axis inhibition protein 1|axis inhibitor 1|fused, mouse, homolog of

Publication Reference

- [The mouse Fused locus encodes Axin, an inhibitor of the Wnt signaling pathway that regulates embryonic axis formation.](#)

Zeng L, Fagotto F, Zhang T, Hsu W, Vasicek TJ, Perry WL 3rd, Lee JJ, Tilghman SM, Gumbiner BM, Costantini F.

Cell 1997 Jul; 90(1):181.

Pathway

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

Disease

- [Adenoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Chromosome Deletion](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Heart Defects](#)
- [Neoplasm Invasiveness](#)

- [Tobacco Use Disorder](#)