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AXIN2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5416b

Specification

AXIN2 Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q9Y2T1
Other Accession	O70240, O88566, NP_004646.3
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**816-843**

AXIN2 Antibody (C-term) - Additional Information

Gene ID 8313

Other Names
Axin-2, Axin-like protein, Axil, Axis inhibition protein 2, Conductin, AXIN2

Target/Specificity
This AXIN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 816-843 amino acids from the C-terminal region of human AXIN2.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AXIN2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AXIN2 Antibody (C-term) - Protein Information

Name AXIN2

Function Inhibitor of the Wnt signaling pathway. Down-regulates beta- catenin. Probably facilitate the phosphorylation of beta-catenin and APC by GSK3B.

Cellular Location
Cytoplasm.

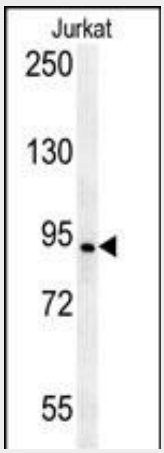
Tissue Location
Expressed in brain and lymphoblast.

AXIN2 Antibody (C-term) - Protocols

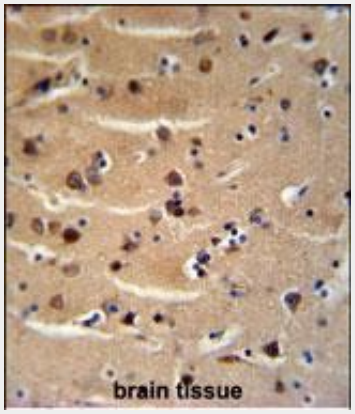
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AXIN2 Antibody (C-term) - Images

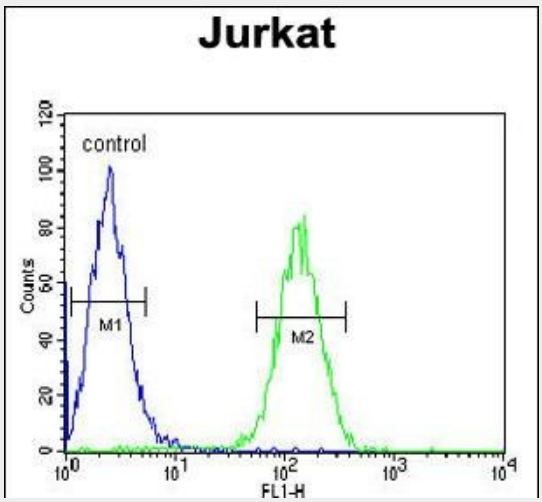


AXIN2 Antibody (C-term)(Cat. #AP5416b) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the AXIN2 antibody detected the AXIN2 protein (arrow).



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AXIN2 Antibody (C-term) (Cat. #AP5416b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AXIN2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



AXIN2 Antibody (C-term) (Cat. #AP5416b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

AXIN2 Antibody (C-term) - Background

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.

AXIN2 Antibody (C-term) - References

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