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AXIN2 Antibody
Catalog # ASC11272

Specification

AXIN2 Antibody - Product Information

Application	**WB, IHC-P, IF, E**
Primary Accession	Q9Y2T1
Other Accession	AAF22799, 8313
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**85, 93 kDa KDa**
Application Notes	**AXIN2 antibody can be used for detection of AXIN2 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.**

AXIN2 Antibody - Additional Information

Gene ID **8313**

Target/Specificity
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.

Reconstitution & Storage
AXIN2 antibody can be stored at 4℃ for three months and -20℃, 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.

Precautions
AXIN2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

AXIN2 Antibody - 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.

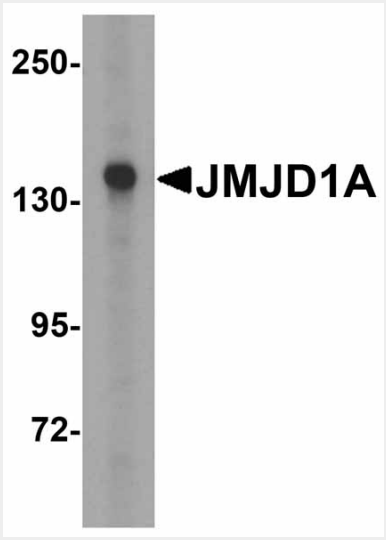
Tissue Location
Expressed in brain and lymphoblast.

AXIN2 Antibody - 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 - Images



Western blot analysis of JMJD1A in HepG2 cell lysate with JMJD1A antibody at 1 µg/mL.

AXIN2 Antibody - Background

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.

AXIN2 Antibody - References

Katoh M and Katoh M. WNT signaling pathway and stem cell signaling network. Clin. Cancer Res.2007; 13:4042-5.
Behrens J, Jerchow BA, Wurtele M, et al. Functional interaction of an axin homolog, conductin, with beta-catenin, APC, and GSK3beta. Science1998; 280:596-9.
Hadjihannas MV and Behrens J. CIN by WNT: growth pathways, mitotic control and chromosome instability in cancer. Cell Cycle2006; 5:2077-81.
Mai M, Qian C, Yokomizo A, et al. Cloning of the human homolog of conductin (AXIN2), a gene

mapping to chromosome 17q23-q24. Genomics1999; 55:341-4.